**Today's Weather** 

It will be fair, with medium and high clouds. Winds will be northwesterly moderate. In Agaba,

Overníght

Yesterday's high temperatures: Amman 24. Aqaba 35. Sunset tonight: 6:15 p.m. Sunrise tomorrow: 4:51 a.m.

me 6, Number 1643

AMMAN, TUESDAY APRIL 28, 1981 — JUMADA AL THANI 24, 1401

### Firm stand on UNRWA praised



MAN, April 27 (J.T.) - The government was ised today for its firm stand against proposed in UNRWA's educational programmes at the ampainn lar meeting of the National Consultative Cou-. NCC member Mohammad Al Azzeh thanked government on behalf of employees of the Uni-Nations Relief and Works Agency for Palestine

Refugees who had been threatened with layoffs at the end of this academic year. Later, the NCC discussed several projects and proposed amendments in a give-and-take session with Prime Minister Mudar Badran and cabinet ministers. (Staff photo by Yousef Al 'Allan)

### ppeal from a prison cell

ب للمانيمناللميم....

معم السيد يدر المحالي النسن المالكيتواد بقابات الما السلام للسفولين تستايات والتعالم لالنتالات ستغوه ملازم واست العنال ف الاستا المعيث

عداب لمن أخط الميم عدد المرساس المعتمد أطب واستعمال عند حدملول للذُّ له من آياد عيد العنا الله الحسيد منتذكر منذ مراخوا تصرافنا سناع ميعر وستنت لمند بهذه التهيئات ستا كعترسلياع في المعتنالات<u>ة المحدد بهذه المناسب المنطوب من خارت</u> والمستناف المترافي المتراك منالنا مسال المستراك ماستراك فتانات بالعالم وخدمت متنابلت حنط المعواف مداحة آتي الممال مجزيل المشكرة

بلتغديب لمبهوذكم لملعظيمت المبذولت اتقباه ونحييب سعوصهم الشعيديب مريئي معددتي لرجم للادد مثلبي مستنام المنسسسين ع هذه المتضيع للمولى هد عمد الما تتعديث من المعالم المستقد اللهاع منات بعتنا العبيد للمعداد

المنطان المساني التعدد عند كالمساد المسانية المس بالسنه الذديع طنلغانت المعد المصحيوني سعداني تكلي تعليرمتنه بإستراب يصبادهم سالتأبيد مساسلى آلين فاستعدلك وسيعتب وتناه تماسات العديد المستدة سنقل ما عمال معديد والقديد أساعية المناسخ والمار عليا المتارة المتارة والمار والمارة والمارة والمارة ملاحب ما وون العرب المراجعة ا

متنبل المالة تصعيدهمة الإرالتندير

244 - Lile - 144 -سبنا من المناطقة الم 1901/2/12

MAN, April 27 (J.T.) — Mr. Ziyad Abu 'Ein, the Palestinian th detained in the United States pending a decision on whether stradite him to Israel on a bombing charge, has sent a message 4r. Shahir Al Majali, the secretary general of the General eration of Jordanian Trade Unions, and federation members ratulating them on international Labour Day and thanking a for the great efforts they are making to help him and secure free return home. The message praises the struggle of the ration in defending his cause and says his victory would be a 🗔 at for the designs of Washington and Tel Aviv. The message resses hope that the federation will continue to support his case pressure the U.S. government to abrogate its decision to hand over to the "Zionist executioners."

### 000-3,000 killed Ethiopian air raids, bel spokesman says

ADISHU, April 27 (R) — A spokesman for guerrillas fighting thern Ethiopia today quoted refugees as saying that between and 3.000 people were killed or injured last month in three of air strikes by Ethiopian fighter-bombers.

wegian missionaries arriving here said they had been forced to ate the area near the south Ethiopian village of Gata Warancha se of Ethiopian attacks.

spokesman for the Oromo Liberation Front (OLF) said that ling to refugees the air attacks were launched from March after clashes between Ethiopian ground forces and various ition groups linked with the OLF.

ondon, a spokesman for the Ethiopian embassy described as dless the OLF report of 2,000 to 3,000 casualties. spokesman said there had been no disturbances in the area

at life there was proceeding normally: Augadishu the OLF spokesman said two squadrons from the pian air force used bombs, napalm and other chemicals in the s and that most of those killed or injured were women, children

spokesman told reporters that livestock, crops and houses lestroyed, leaving thousands homeless. He said this was the

me the government had used its air power against the Oromo

OLF spokesman said the Ethiopian forces were now in control region which had been deserted by most of the 20,000 res-

said refugees fleeing the attacks had begun to arrive in Somalia. OLF is one of the least well-known guerrilla groups opposing vian rule. There have been reports of sporadic fighting in south via but the largest secessionist movements are in the east Ogagion, Eritrea and Tigray in the north.

Oromos are Ethiopia's largest single ethnic group, conig about 40 per cent of the population. They have traditionally d domination by the central Amhar tribe.

#### Washington alarmed by fresh strife

WASHINGTON, April 27 (A.P.) - The State Department said today it views "with deep concern" the recent outbreak of fighting in Lebanon and said the taking of new positions by Syrian troops in central Lebanon is one of the "serious developments that concern us."

Spokesman Dean Fischer said over the weekend Syrian forces occupied several high points overlooking a large area of the coastal plain of north-central Lebanon to the west and the Bekaa Valley to

Mr. Fischer refused specific criticism of the Syrian forces, who are officially a peacekeeping contingent, but reiterated the position of the U.S. government that the "Lebanese central government itself should be ultimately in control of the entire country."

### Agnew told to pay state \$248, 735



Spiro Agnew

ANNAPOLIS, Maryland, April 27 (A.P.) — Former U.S. Vice-President Spiro Agnew was ordered today to pay the state of Mar-yland \$248, 735, a sum the judge said represented money Mr. Agnew allegedly accepted as kickbacks while governor of Mar-

The amount that Judge Bruce C. Williams ordered Mr. Agnew to pay includes \$147,500 in kickbacks, plus \$101,235 in interest.

Judge Williams ruled that the evidence clearly showed Mr. Agnew had violated his public trust by accepting kickbacks and that he had an obligation to repay the people of Maryland for violating their trust.

The state had tried to subpoena Mr. Agnew as a witness, but Judge-Williams ruled he did not have to testify in the civil suit filed by three taxpavers.

A federal investigation of the alleged kickback scheme resulted in Mr. Agnew's no-contest plea to a charge of income tax evasion and his resignation as vice-president on Oct. 11, 1973. He paid about \$160,000 in back taxes, penalties and interest to the state and federal governments in 1974, according to his lawyer, Mr. Thomas

The state has never tried to prosecute Mr. Agnew, but Judge Harrison said criminal charges still could be filed.

## Israeli jets pound Lebanon

BEIRUT, April 27 (Agencies) — Waves of Israeli fighter-bombers raided Lebanon's southern port cities of Sidon and Tyre today in the second straight day of air assaults against Palestinian strongholds. First reports spoke of 40 casualties in Sidon and scores in Tyre.

Syrian troops and Lebanese rightists in Beirut locked in a fresh round of mid-city artillery and rocket warfare that set buildings ablaze on both sides of Beirut's

"We haven't been able to take an accurate stock of the losses or casualties, but certainly they are pretty enough," said a spokesman for the Palestine Liberation Organisation in Beirut.

Palestinian sources in Beirut said the Israelis bombed and strafed with 30mm cannon and rockets and the raids appeared bigger

than yesterday's.

#### PLO protest to U.N.

The Palestine news agency WAFA said the PLO representative at the United Nations had called for an immediate Security Council meeting on the Isr-

It said he handed a note to U.N. Secretary General Kurt Waldheim urging a debate on "the barbaric aggression carried out yesterday and today by American-made Israeli planes on Palestinian refugee camps and Lebanese villages and towns."

The note charged that the primary aim of the raids was to inflict heavy casualties on Palestinian and Lebanese inhabitants "in line with the decision taken by the Zionists with the approval and blessing of the American adm-

The governor's office in Sidon, provincial capital of Southern Lebanon, said at least 40 civilians were either killed or wounded in the city that suffered 14 dead and more than 30 wounded in similar

A spokesman for the governor's office said reports were coming in from other stricken areas and they indicate this was the heaviest air raid Israel has mounted against since its 1978 outright invasion of Southern Lebanon.

A PLO communique said 10 Palestinian strongholds along a 64-kilometre stretch of Lebanon's Mediterranean coast were bombed, rocketed and strafed by "wave after wave of raiding enemy planes."

#### Nonstop strafing

Associated Press reporter Edmond Shedid said by telephone from Sidon the city was shaking from one end to other as Palestinian positions to the north, east and south were struck.

The sound of explosions was clearly beard over the telephone as he spoke. "It is much worse than yesterday's raids. They (the planes) are dropping bombs, firing rockets and strafing in one after the other nonstop for 45 minutes so far. They're still hitting," Mr.

The PLO communique said the area of the attack stretched from Tyre, the commandos' main Mediterranean port, to the golf club area of Dalhamieh. The stricken area included Sidon's outskirts and the fishing towns of Saadiyat and Jiveh.

Eyewitnesses in Sidon said the raiding planes came in formations of eight, each firing balloons to deflect heat-seeking shoulderfired missiles hissing up from Pal-

#### Syrian shelling

As the planes struck, the rightist Voice of Lebanon" radio station in Beirut said Syrian multiple rocket launchers, known as "Stalin's organs," pounded residential neighbourhoods three kilometres deep in the rightist sector and around the port of Jounieh, 19 kilometres north of Beirut.

The Beirut police said Syrians and Christians battled throughout the day for the snow-covered peaks of Lebanon's central mountains 40-kilometres northeast of Beirut. The escalation of mid-city art-

illery and rocket warfare followed an announcement by a govemment spokesman that a "lasting ceasefire" -- the 21st this month -- might be proclaimed tomorrow.

Price: Jordan 100 fils; Syria 1 pound; Lebanon 1 pound; Saudi Arabia 1.50 riyals; UAE 1.50 dirhams; Great Britain 25 pence

#### Syrian MiG downed

A mystery developed over yesterday's crash of a Syrian air force jet fighter during Israel's air strikes in the Sidon area. Syria said the plane was bit in a-

dogfight with Israeli jets of which two were shot down. Israel said there was no air battle and all Israeli planes returned safely to base. Associated Press reporter

Nabih Basho, who saw the plane's wreckage on a mountain overlooking the city, said it was a MiG-25, one of the most sophisticated warplanes in the Soviet arsenal, and that it bore no evidence of shrapnel, bullet holes or an explosion that would prove it was shot down.

Syria has conceded the loss of

13 jets in dogfights with Israel since the summer of 1979, when Damascus resolved to confront aerial Israeli operations against Lebanon-based commandos.

#### Khaddam to visit

The interest of Lebanon's govemment centred today on a twoday visit Syrian Foreign Minister Abdul Halim Khaddam plans to begin to Beirut tomorrow.

A government spokesman said Mr. Khaddam's talks would concentrate in the first day on ways of

proclaiming a lasting ceasefire. Mr. Khaddam is due to have talks with Mr. Pierre Gemavel, head of the Falangist Party, the largest rightist grouping in Lebanon whose militia has been doing most of the fighting against the

Syrians in Beirut and elsewhere.

### Leaders on the move

### Qadhafi in Moscow, Schmidt in Saudi Arabia

MOSCOW, April 27 (A.P.) — Libyan leader Col. Muammar Qadhafi and top Soviet leaders today began talks here that are expected to include bilateral political and military cooperation.

Col. Qadhafi, grinning, wearing a military uniform and carrying a swagger stick, was met at the airport by Soviet President Leonid Brezhnev and Foreign Minister Andrei Gromyko, who welcomed the Libyan leader with a kiss.

Mr. Brezhnev led the Soviet delegation to the talks, which opened in the Kremlin five hours after Col. Qadhafi's midday arr-

Col. Qadhafi's schedule for tomorrow included a trip to an cussed, but a Libyan official said unspecified military installation and time for signing joint agreements. He was scheduled to depart Wednesday.

A TASS article on Col. Qadhafi's visit noted that trade between the two nations grew by 23.3 million rubles (\$33 million) last year to 450.9 million rubles (\$636 million) under an existing treaty, but gave no hint what new agreements, if any, the Libyan leader might sign during his visit. His last Lebanon-based Palestinian forces trip to Moscow was in December 1976.

> Col. Qadhafi arrived here from Sofia, where he discussed bilateral trade and political issues with Bulgarian President Todor Zhivkov during a one-day stopover. Last October, the Kremlin sig-

ned a 20-year friendship treaty with Syria that called for strengthening military cooperation between the two countries.
Some westerners here believe

that Libva and the Soviet Union might sign a similar long-term agreement. Libya and Syria have pledged to work for their merger into a single state, but progress toward that goal has been slight. Other analysts, however, bel-

ieve the Kremlin might pledge additional military aid to Libya without signing a treaty.

The Soviet press declared this morning that the talks would be a "new step" in cementing Soviet-Libyan relations. The articles gave no details of what would be dis-

Muammar Qadhafi

cooperation in political and military affairs was among topics on the agenda.

The Communist Party daily Pravda said that Soviet-Libyan economic and political ties are in the interests of world peace, and that Libya pursues a course of "active neutrality," peaceful coexistence and anti-imperialism.

Qadhafi had made a great contribution to strengthening ties between the two countries. Pravda said the Soviet people were confident that his visit would

Pravda said today that Col.

be a fresh important step on the road to strengthening further friendship and mutual understanding between our countries and peoples." The Libyan news agency JANA said yesterday that the visit was in

Steadfastness and Confrontation Front to strengthen links with The front, comprising Libya, Syria, Algeria, South Yemen and the Palestine Liberation Org-

line with a decision taken by the

anisation (PLO), oppose the Camp David peace agreements between Egypt and Israel. Middle East analysts said Col. Qadhaf7s visit had added significance in view of Moscow's ren-

ewed efforts to participate in diplomatic moves for an overall Israeli-Arab settlement. They said arms supplies and military facilities for the Soviet Union in Libya might be discussed. The Libyan leader has denied air and

naval facilities to Moscow so far. In the past six years, according to Western analysts, the Soviet Union has provided Libya with billions of dollars in arms, including some of its most sop-. histicated tanks and planes. There are an estimated 2,000 Soviet advisers in Libya to help teach how to

use them. Col. Qadhafi's visit to Moscow comes just three days after U.S. Secretary of State Alexander Haig repeated the Reagan administration's allegations that the Kremlin is behind an international terrorist movement with links to

TASS yesterday again denied Mr. Haig's charge, characterising it as "groundless."

The importance of the visit in terms of future development in the Middle East was underscored by yesterday's reported meeting in the Libyan capital of Tripoli between Col. Qadhafi and Palestine Liberation Organisation Chairman Yasser Arafat.

A communique issued Saturday after a two-day visit to Moscow by the Kuwaiti foreign minister focused heavily on a proposal for an international conference on the Middle East at which the PLO would be granted full status.

RIYADH, April 27 (Agencies) — West German Chancellor Helmut Schmidt was greeted by Crown Prince Fahd at the airport here today before being swept away to a dinner given at the royal palace and his first of two days of talks with King Khaled and other top Saudi officials. He is to visit the United Arab Emirates later this Mr. Schmidt, accompanied by

Economics Minister Otto Lamsdorf, made the trip following a week of heated debate on whether West German arms should be sold to the desert kingdom, one of West Germany's major oil suppliers. The chancellor was escorted

into the palace under the protection of colourfully dressed national guardsmen, decked in their traditional bedouin costumes complete with sabres and car-

Mr. Schmidt and Mr. Lamsdore are expected to meet tomorrow with Prince Fahd, Minister of Finance and National Economy Sheikh Mohammad Aba Al Khail and Oil Minister Sheikh Ahmad Zaki Yamani to discuss the strengthening of Saudi-German business relations, the Middle East situation and the flow of oil from the Gulf states.

Mr. Schmidt's trip to Riyadh comes less than a week after the U.S. administration announced it wants to sell the Saudis five sophisticated radar reconnaissance planes and equipment to improve the firepower and range of the Saudi's 62 modern F-15 jet fighter

The sale has yet to receive approval from Congress.

With German exports to Saudi Arabia stagnating while oil bills are rocketing, German industry fears business with Riyadh might suffer severely if Mr. Schmidt's government does not allow controversial sales of tanks and other weapons to the Saudis.

But in a German television interview last night, the chancellor made clear he did not wish the possibility of arms sales to become the central issue of his talks in-"The Germans are not quite,

aware yet that outside the North Atlantic alliance Saudi Arabia has become our most important political and economic partner over the past few years," Mr. Schmidt

He said it was not his impression that Riyadh regarded arms sales as a central issue in bilateral relations or a precondition for expanding economic and political coo-



For more than a decade West areas of tension. Mr. Schmidt said that although this policy was now being reviewed it would remain restrictive in the future

The possible sale of Leopard II tanks to Saudi Arabia has been criticised not only from within Bonn's ruling coalition of social democrats and liberals, but also by Israel. Israel's ties with West Germany

have always been sensitive and emotional because of the murder of millions of Jews in Nazi concentration camps during World Israeli opposition leader Shi-

mon Peres said in an interview with West Germany's Der Spiegel magazine, published vesterday, that any arms sales to Saudi Arabia would increase the danger of war and might even lead to a nuclear arms race in the Middle East.

But Mr. Schmidt indicated in his television interview that although Bonn's policy on arms sales would remain restrictive, West Germany might eventually agree to sell weapons to the kingdom, including heavy tanks such as the Leopard II.

"We will not allow another state, or government of another state, to dictate what we do or don't do," he said.

Whatever the outcome of the arms issue, Mr. Schmidt is keen not to upset Riyadh which, according to official figures, holds at least 13.6 billion marks (\$6.3 billion) of German federal government loans.

Bilateral trade rose to 14.2 billion marks (\$6.6 billion) last year, from 8.7 billion marks (\$4.0 billion) in 1979. But Bonn's deficit increased dramatically.

#### French atomic workers return to Baghdad plant

PARIS, April 27 (R) - French nuclear physicists and technicians have returned to Iraq to resume work on a controversial atomic research reactor after a six-month halt due to the Gulf war. French

foreign ministry officials said today. The officials said most of the 300 Frenchmen involved in the project had returned to Iraq without their families and work was going on normally.

All but a dozen volunteers were hurriedly repatriated to France after two Phantom jets with Iranian markings bombed the reactor site near Baghdad last Sept. 30, soon after the Iran-Iraq war began. The multi-billion-dollar French nuclear reactor deal with Iraq has been criticised at home and abroad, particularly in the United States and Israel, which fears that the Iraqis might be able to build an atomic

More than 2,000 French technicians engaged in other projects have returned to Iraq. Before the war, there were an estimated 4,000 French citizens in the country.

### 1 killed in Tehran battles; students tried in Frankfurt

TEHRAN, April 27 (R) - Street battles broke out on the fringes of a mass demonstration in Tehran today, and hospital sources said at least one man was shot dead and four were wounded.

Eyewitnesses said revolutionary guards fired repeatedly over the heads of the crowd to quell running clashes between rival groups of stone-throwing youths supporting the semi-clandestine radical Mujahideen-e-Khalq guerrilla organisation and pro-government Islamic fundamentalists

Truckloads of riot police arrived as darkness fell over Tehran, four hours after the start of the rally which some estimates put at 100,000-strong. The eyewitnesses reported that more than 100 arrests were made.

The fighting flared after the fundamentalists, known as Hezbollahis (members of the Party of God), scuffled with supporters of the Mujahideen who called the rally to mourn four women killed in factional clashes in the caspian town of Qaem Shahr over the past

According to the hospital sources, a 30-year-old man was shot through the head and killed and at least four were being treated for shotgun wounds.

As clashes continued in neighbouring streets, the main body of the

raily moved to hear speeches at the home of the late Ayatollah Mahmoud Taleghani, spiritual leader of the Mujahideen. Meanwhile ten Iranian students went on trial in Frankfurt, West Germany today, charged with illegally imprisoning and threatening five compatriots they had accused of working for the former Shah's

The court was told that the students kidnapped the five men in Frankfurt in July, 1979, put them before a self-styled revolutionary tribunal, took away their passports and held them prisoner in a student hall of residence.

Police freed the five after receiving an anonymous tip. The case is likely to last several weeks.

secret police.

## NATIONAL

'Trend' towards PLO recognition

## Hussein receives S. Korean aide

AMMAN, April 27 (Agencies) — His Majesty King Hussein received at noon today visiting South **Korean Minister of Construction** Jonam Kim, who conveyed to the

The meeting was attended by South Korean Ambassador in Amman Jin Chull Soh.

Mr. Kim said today there were trends in his country towards recognising the Palestine Liberation Organisation (PLO) officially, sources said.

Mr. Kim reaffirmed South Korea's support for the PLO as the sole representative of the Palestinian people. He said: "The Korean government is taking a trend now to recognise this organisation

Mr. Kim said around 100,000 South Korean workers and technicians are now working in Saudi Arabia, Kuwait, Bahrain, Libya, Egypt and Jordan. Mr. Kim met His Royal Highness Crown Prince

King a message from the President of South Korea dealing with the strengthening of relations and cooperation between the two countries.

Hassan vesterday in the presence of Minister of Public Works Awni Al Masri and Mr. Jin.

Discussion dealt with cooperation between the two countries in construction, and the possibility of South Korea participating in the implementation of projects included in the new five-year economic

The South Korean minister earlier called on Prime Minister Mudar Badran to discuss bilateral cooperation. He also met with the Minister of Transport Ali Suheimat and Minister of Public Works Awni Al Masri for talks on construction projects currently being implemented in Jordan by South



Crown Prince Hassan cuts the ribbon on the Jordan Lime and Silicate Brick Industries factory on Mon-

#### Prince Hassan opens brick factory

AMMAN, April 27 (Petra) — His Royal Highness Crown Prince Hassan opened at Abu Nuseir district west of Amman today the Jordan Lime and Silicate Brick Industries Company factory.

In a speech on the occasion, the Crown Prince underlined the importance of such local industries which will produce materials for comparatively low prices and contribute to construction and development projects in Jordan. He paid tribute to specialised Jordanian institutions such as the Housing Bank which help in the establishment of such industries.

Also speaking at the opening ceremony was the chairman and board director of the Housing Bank, Mr. Zuhair Khouri. He said that the factory will use locally produced raw materials such as sand and limestone, found in abundance in Jordan, to produce building materials.

The building of the factory was the result of joint efforts on the part of the Housing Bank, the

Sharif Zaid meets Palestinian charity chief

Industrial Development Bank, the Pension Fund, the Royal Scientific Society, the Arab African Bank, Jordanian citizens and other institutions, Mr. Khouri said.

Later, Prince Hassan unveiled a commemorative plaque, officially inaugurating the factory, and toured its various sections.

The estimated initial annual productive capacity of the factory will be 56,000 tonnes, of which Iraq alone has signed contracts to buy 12,000 tonnes annually.

such an institute.

ustrial Development, he said. Meanwhile, a two-day seminar on solid energy-producing minerals ended here last night with a call by the participants for joint Arab efforts to pursue exploration

Arabsat meet starts tod///

AMMAN, April 27 (Petra) — The annual meeting of the Ge Assembly of the Arab Satellite Communications Organisation ( bsat), at the level of the Arab communications ministers, will here on Tuesday under the patronage of His Majesty King Hus Arabsat Director General Dr. Ali Al Mashat praised the el

In a statement to Petra, Dr. Mashat said that the conference concentrate on several important questions, including the raisir

made by the Jordanian government in supporting the Arab Sat

Arabsat capital to cope with the project's rising cost, and a decision on awarding of the contract for the satellite's construct

### Mineral resources conference to discus mining technology

AMMAN, April 27 (J.T.) — Jordan will submit a working paper on technicians' training and technological methods in mining to the fourth Arab Conference on Mineral Resources due to open here on Wednesday, according to Mr. Ahmad Dakhqan, vice president of the Natural Resources Authority (NRA).
He told Al Ra'i newspaper that

the working paper will call for coordination among Arab states in the absorption of technology and the employment of technical methods in the exploitation and application of minerals.

The working paper also deals with the training of staff capable of handling mining projects in the Arab World, he said. It offers a suitable site in Jordan for an Arab institute to turn out skilled technicians for this purpose.

The third Arab Conference on Mineral Resources, held in Rabat, discussed the idea of establishing

The main working paper before the conference, Mr. Dakhqan said, deals with a general Arab strategy on mineral resources, to be based on the concept of achieving Arab economic integration. This paper has been prepared by the Arab Organisation for Ind-

for oil shale to produce oil as an

alternative source of ener petroleum.

The recommendations iss the end of the seminar also on Arab states to exchange ertise in oil shale exploitatio. for the investment of more funds in prospecting for sha

The seminar also recomm that Arab states prepare sibility studies on joint Aral nium prospecting and exploi projects, and called for the ding of specialised seminars cuss the use of nuclear fuel

#### Pakistani pilgrims to get special passpor

AMMAN, April 27 (Petra Pakistani Muslims living Jordan can obtain special | sports from their embass Amman for the purpose of [ forming the pilgrimage Mecca this year, the Ministr Awqaf and Islamic Affairs a ounced here today.

It said that it had receive note from the Pakistani eg assy to this effect, which asked that only holders of special passports be gra-visas to go to Mecca. The istry has expressed willin to cooperate with the emi in this respect.

#### **WHAT'S GOING ON**

Exhibitions

"The Age of Shakespeare" exhibition is open to all, as for today. The Biritish Council is presenting a special programme readings and scenes from Shakespeare, lectures, solo per formances and music related to the exhibition. The exhibition employs pictures, photographs, slides, music, models and contumes to explore the way of life of the late 16th-century Employee lishman. The exhibition is open from 9 a.m. - 1 p.m. and from p.m. - 7 p.m., at the council in Jabal Amman.

The Soviet Cultural Centre presents an exhibition on the Sovie Socialist Republic of Azerbaijan. The exhibition opens at 6 p.n. and will be followed by a lecture by the director of the centre, D. Olman Arasly, at 6:30 p.m., at the centre near Third Circle Jabal Amman.

Yarmouk University presents an exhibition of architecture books. On display are books witten by professors on the staff of the university's Faculty of Engineering, at the university's ext ibition hall.

The Harvard Semitic Museum, in cooperation with the Dej artment of Antiquities, presents an exhibition of Middle Ea "Photographs from the Last Century", at the Holiday Inn hotel i

The Natural Resources Authority presents a geological exhibitio on mineral resources in Jordan at the Holiday Inn hotel Amman. On display are samples of minerals and ores, and inc ustrial products made from these raw materials.

Lecture

Yarmouk University presents a lecture entitled "Arabic and is amic Studies in the West", by Dr. Waleed Arafat, director of th Arabic and Islamic Studies Centre at Lancster University in Br tain. The lecture will be given at 3:30 p.m., in the university cafeteria building.

#### Videotape programme

.The American Centre presents a videotape summary of CB, television news for the past week. The tape will be shown at noo, and 4 p.m., at the centre's auditorium, off Third Circle in Jabi

#### **FOR RENT**

1- Deluxe furnished two bedrooms house with telephone. 2- Unfurnished two bedrooms house.

3- Furnished single room (studio). All with central heating. Located on Jabal Amman, Thir Circle area.

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Consists of two bedrooms, salon, sitting room, kitchen; furnished with modern furniture and centrally heated, with telephone and hot water. Location: on University Road' Opposite Al Ra'i newspaper.

Please call: Tel. 66530

#### AMMAN STOCK EXCHANGE REPORT

		Number			Closing
Name of Company	Par Value	Traded	High	Low	Price
Islamic Bank 50%	JD 1.000	9,445	1.680	1.670	1.670
Jordan-Kuwait Bank	1D 1.000	12.486	2,260	2.240	2,260
Jordan-Gulf Bank	JD 1.000	10,486	1.520	1.510	1.510
Housing Bank	JD 1.000	2,606	2.190	2.170	2.170
Jordan National Bank	JD 5.000	32,465	17.000	16.500	16.500
Bank of Jordan	JD 5.000	15,894	17,000	16.500	17.000
Cairo Amman Bank	JD 5.000	6,363	15.150	15.150	15.150
Arab Bank Co. Ltd.	JD 10.000	1,330	133.000	133.000	133.000
Arab Union Insurance Co.	JD 1.000	453	1.530	1.500	1.530
Al Ezdihar Insurance Co.	D00.1 QL	1,837	2.450	2.450	2.450
General Insurance Co.	JD 1,000	9,625	1.800	1.750	1.750
Arabian Seas Insurance Co.	JD 5.000	2,890	11.600	11.550	11.550
Jordan Electricity Co.	JD 1.000	6,300	2.080	2.070	2.080
Arab International Hotels Co.	JD 1.000	10.226	1.050	1.020	1.040
Arabian Investment and International			. 250	1 060	1.260
Trading Co.	1D 1.000	27,230	1.350	1.260	1.200
International Contracting and		42 317	0.040	0.930	0.940
Investments Co.	JD 1.000	46,217	0.940	0.930	0.650
Livestock and Poultry Co.	JD 1.000	5.070	0.650	0.040	0,630
Dur At Sha'b for Press, Publications		. 0.40	0.060	0.040	0.960
and Distribution	JD 1.000	1,968	0.960	0.960 10.000	10.000
Garage Owners Federation Office Co.	JD 1.000	2,100	10.000	1.550	1,550
Arab Development and Investments Co.	JD 2.000	755	1.550	1.290	1.290
Jordan Dairy Co.	JD 1.000	45.530	1.300	1.850	1.850
General Mining Co.	JD 1,000	6,555	1,900 1,580	1.560	1.560
Arab Aluminium Industries Co.	JD 1.000	39,771	0.800	0.800	0.800
Arab Paper Processing and Trading Co.	JD 1.000	120	3.930	3.900	3,930
Industrial, Commercial and Agricultural Co.	JD 1.000	5,652	3.930 4.910	4.910	4.910
Arab Chemical Detergents Industries Co.	JD 1.000	7,365	2.380	2,320	2.330
National Steel Industries	JD 1.000	38,985	2.360	2,320	2.550
Dar Al Dawa' Development and				3 300	2 200
Investment Co.	JD (.000	3,314	3.320	3.300	3.300
Jordan Ceramics Industries Co.	JD 1.000	1,782	1.150	1.150	1.150 0.840
Jordan Glass Factories Co.	JD 1.000	619	0.840	0.840	1.650
fordar: Paper and Cardboard Factories Co.	JD 1.000	1,650	1.650	1.650	3.750
Inthin Phosphine Mines Co.	JD 1.000	9.108	3.770	3.700	3.730
Jordan Ume and Silicate Brick			4		6 250
Industries Co	JD 5.000	46,492	6.250	6.000	6.250
Jordan Tobacco and Cigareties Co.	JD 5.000	490	9.800	9.800	9.800 ° 9.750
Jordan Tanning Co.	JD 5.000	487	9.750	9.750	29.800
Arab Pharmaceutical Manufacturing Co.	JD 5.000	745	29.800	29.800	8.440
Jordan Petroleum Refinery Co.	JD 5.000	7,621	8.450	8.440	15.500
Jordan Pipes Manufacturing Co.	JD [0.000	387	15.500	15.500	
Jordan Cement Factories	000.00 CL	12,295	18.680	18.600	18.660
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AMMAN, April 27 (Petra) - The commander-

in-chief of the Jordanian armed forces, Lt. Gen.

Sharif Zaid Ibn Shaker, received at his office today

Mrs. Sarah Barakat, the director of workshop for

the training of girls in the occupied West Bank and

Gaza Strip. Sharif Zaid accepted a token gift made

#### Jordan imports should get top priority in Aqaba trucking--panel

at the workshops, carrying the emblems of the Jordanian armed forces and some of its formation.

The commander-in-chief also presented Mrs. Bar-

akat with a token gift and a cheque for JD 1,000 to

support her charitable society.

AMMAN, April 27 (J.T.) - A recommendation by a joint committee of representatives of the public and private sectors calls on owners of lorries transporting goods from Aqaba to give priority to imported goods for Jordanian merchants.

The trucks should first carry products to Jordanian importers from Agaba Port before similar consignments can be carried to importers in neighbouring Ara states, the committee said.

The committee is made up of representatives of the Ministry of Transport, the Seaports Corporation, the Traffic Department, the Amman Chamber of Commerce, the union of garage owners and the association of Jordanian

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Crime laboratory applies science to the chase after wrongdoers

## Modern-day Sherlocks use high technology

By Mohammad Ayish Special to the Jordan Times

MMAN, April 27 — When the crime labesophatory at the Public Security Directorate as established in 1966, there were only to direct people to work at its humble technical incilities. But the crime lab of 1981 bears no semblance to that of some 15 years ago.

ot only has the lab contributed

But when fingerprint experiences

the unravelling of many enia place of training in crime a place of damage from the end of Ear Arab countries.

The number of criminal cases

ordan has been limited in the the to 15 years, but the expansion of not in proceed has required a parallel elopment of the lab to meet The ename new demands," an official at Air crime investigation depstate lient told the Jordan Times. he crime lab consists of several ialised branches responsible ingerprints, documents, che-The track and fir-

Pakish res throughout the country. Digringt. Hassan Smadi, head of the erprint section, said. "It con-Special of two parts: the ten-

" erprint branch." Pakising in the former, he told the Jor-Jordan can Times, fingerprint experts

ports frag the prints of all of a person's Amman are errs, to be kept in special files forming the atter reference. "When we cla-Mentality ideration whether a suspect in call has been convicted or not," Capt. ाधारले क्ष्म been co !: अति हेव्

field from By

ஊர் மக்கி

rush to a crime scene, they don't have the convenience and clarity -available in lab tests, he said. So in such a situation, the experts will use the one-fingerprint method to compare the remnants of a print with the print of a suspect. In handling these important

But when fingerprint experts

clues, the experts rely on the lab's technical facilities; but far more importantly, on training and intelligence. Fingerprint experts use several techniques to uncover prints or fragments of prints that can help uncover a criminal: Capt. Smadi cited the use of chemical powder, gelatin and special magnifying cameras.

Our situation here is very satisfactory and we are looking forward to using a computer in our filing work," he said. A microfilm file is already being used but not on a full-scale level. It contains material from cases in Jordan dating back to 1923.

Fingerprints are far from being the only means the lab has of uncovering crimes. Another is the detection of some of the sophisticated methods used in illegal acts. "Some people may use falsified signatures to get access to money or anything else they want. To ordinary people, such forgery



The chemical section looks just like any pharmacist's lab-until you read the labels on the materials analysed.

is not detectable, said Capt. Sami-Halase, head of the documents section at the lab. Referring to a sample document, he said: "This number, seen by the naked eye, looks like a six. But when magnified, it is not six any more; it is revealed to be a five."

Experts at Capt. Halase's section can pinpoint the type of distortion or falsification used on any document with the aid of magnifying cameras. But the job needs great intelligence, experience, intuition and diligence, he said.

Besides detecting scraped-out or altered sections in documents, experts also can determine whether currencies--both coins and bills--are genuine. Capt. Halase

said that through the use of ultraviolet light, experts can also identify secret writing that is usually not detectible by the naked eye. Even individual typewriters can be distinguished through their writing by this method.

The common thing about all those things is that the forger never tries to relax and act normally when he commits his act. though it may appear to him that he can delude the police," Capt. Halase said. The forger's lack of assurance in falsifying a signature leaves telltale signs which are immediately visible under a microscope, he said.

The crime lab's ballistics section works to identify firearms used in crimes by matching them with their cartridges and bullets. Lt. Sate.Shrayha, head of the section. told the Jordan Times that the firearms experts' first step is to examine the weapon if it has been used or not. Then the weapon will be cleaned with special chemicals, to be followed by a test-firing in order to obtain an empty cartridge and a bullet for comparison with the ones whose origin is in que-

Cartridges and bullets are compared to see if they match. "When we compare both pieces, we set each of them under one of these lenses in such a way that both would appear as if they are one piece," Lt. Shrayha said, pointing to a magnifying system with a vie-

Another section at the crime lab is the chemical analysis section one of whose duties is to uncover poisonous materials and determine their nature. "Most of the cases we receive here come from the Ministry of Health or from the University of Jordan Hospital," said Capt. Matrouk Al Habahbeh, the head of the section. After an autopsy is performed on the body of a crime victim, the lab will receive samples to be tested: blood or

urine, as well as body parts. The chemical analysis section also examines broken glass in cases where it is important to determine from which side a window was broken, according to Capt. Hababbeh. "We also have continued contacts with the Traffic Department on hit-and-run accidents in which police have no evidence but a tiny amount of car paint," he said. "By examining the paint, we can determine the type and identity of the car." The Traffic Department and the chemical analysis section also cooperate in blood testing to screen out drunken drivers.

Closely related to the chemical analysis section is that for biological analysis. Lt. Suzan Janakat, who works there, said tests carried out at her section determine blood type, and whether the liquid is human or animal blood. Biological analysis can also determine parentage and identity when the parentage of a child is not clear, she said.

Cases of sexual assault also find

Ultraviolet light reveals the difference between the genuine (above) and the counterfeit (below) ban

their way into the biological analysis section, so that it may determine if any sexual contact has taken place between the two parties involved, and what its effects are. But the laboratory's sections owe their success not only to the skill of their staff, but to the pho-

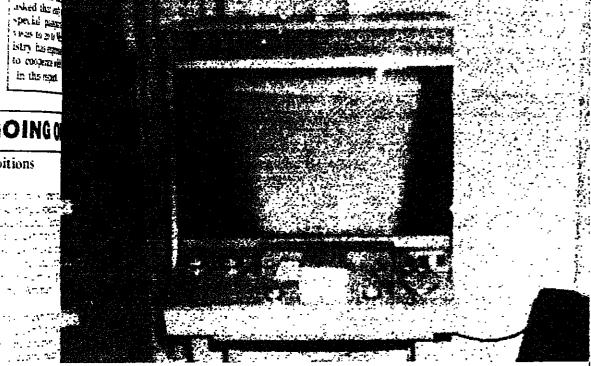
tography department as well. We are involved with all the sections in the crime lab," said Capt. Fakhri Iskander, assistant head of the photography section. Each team of crime lab experts includes a photographer who is intelligent enough to relate the scene of the crime to its surroundings and establish some sort of relationship, he said.

Fingerprints are photographed before they are removed so the photographs can be used as evidence in case the prints are tampered with. Footprints are also photographed by crime lab photographers, who must place a ruler alongside the imprint of the foot so that it will be easy to compare the size of the print in the picture

with the foot of a suspect. Besides field work, photographers also do lab work along with the other sections, particularly the document and fingerprint sections.

That requires the photographer to be acquainted with the functions of the other sections. so that he may do his job more effectively," Capt. Iskander said.

The expansion of the crime lab is related to the growth in the country's crime rate in the past 10 years. But officials at the lab say the relationship is not necessarily direct, since the lab is not involved with all the crimes taking place. A look at the number of cases handled and the number of tests performed in the lab in the past four vears shows a dramatic increase.



high-magnification screen is used to examine fingerprints

#### Jordan Crime Laboratory: Cases handled and tests performed, 1977-80

•	1977	1977		3		1979	1979		0
	Case	Test	Case	Test		Case	Test	Case	Test
cuments	162	390	96	444	Documents	115	645	149	436
rearms	93	510	851	691	Firearms	. 101	677	130	844
isons	60	174	95	423	Poisons	97	305	220	413
minal fluids	33	83	95	136	Seminal fluids	74	103	84	146
ood	26	78	9	48	Blood	35	41	56	81
ugs	39	52	44	48	Drugs	57	108	118	237
ime scene	. 37	0	9	0 '	Crime scene	18	0	123	0
iscellaneous	9.	13	7	17	'Miscellaneous	7	14	6	11
tal	348	1299	440	<b>1807</b> .	Total	504	1893	886	2168



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## OPINION

### Jordan Times

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#### The Soviet role

DUTCH FOREIGN Minister Christoph van der Klaauw's tour of the Middle East last week coincided with the news that the Soviet Union has "launched" its own Middle East peace initiative based on convening an all-party conference. The view of Mr. van der Klaauw, representing the European Community, is that such a conference must come at the end of the peace process, and not at its beginning. Such a view is disappointing at best, and ludicrous at worst. In our view, it is simply another means of postponing the inevitable: the holding of face-to-face negotiations between Israeli and Palestinian representatives who have both come to the negotiating table with the idea of making peace, not polemics. We are convinced that such an eventuality has to take place in the coming years, as we are convinced that the underlying commitment to peace is alive and well in the Arab World. It will only be transformed into a dynamic negotiating posture during the actual negotiations, and not, as the EEC and the Americans and the Israelis desire, in a unilateral declaration of surrender on the part of the Palestinians and the Arabs as a whole. A Soviet role in the peace-making process is not only wise and necessary: it is also sanctioned in the Camp David talks agreements in the clause requiring a final peace accord to be ratified by the United Nations Security Council, in which the Soviet Union holds veto power. To make believe this can wait forever is bad judgement, bad politics and bad



### DE FACTONOMICS

## Private enterprise revivage

In the fifties and sixties, private enterprise in the Arab World was on the defensive due to a number of factors.

First, these two decades witnessed ideological debate and struggle among the economic phi-losophies in Arab countries as part of the developing nations. Many countries shifted gradually to socialism, which was considered by certain parties and platforms as an ultimate way of life for the Arab Nation.

 Second, the role of the government, or the public sector in general, was accepted to become dominant in expanding and operating public services.

Third, decision makers in some

Arab countries reacted emotionally to the malpractices of the often termed as capitalist, monopolist or feudalist.

Fourth, it was much easier and ome and wealth among the population than to have them inc-

Fifth, other factors were also important in encouraging the dominance of the public sector, such as the weak response of the private sector in certain countries to the development planning efforts of the government, and the desire of private investors to maximize their profits in the shortest period possible. This, of course, reflects economic rationality on their part, particularly under con-

taken on many occasions as a case against private enterprise. rich class in the past, which was to a lesser extent, in Iraq and

Accordingly, the private sector was forced to take a minor or non-significant role in the economies of Egypt, Syria, Algeria, Democratic Yemen, Libva, and. Sudan. Attempts to make the best of both an expanding socialism and the maintenance of private more popular to redistribute inc- initiative did not succeed. Many potential private investors looked for opportunities abroad, while

ditions of economic and political

uncertainty. However, it was

By T.A. Jab

small-scale private business vived with the hope of a environment.

I believe that many Ara ntries are now in the proc reconsidering their econom icies with a view to giving freedom to private initiativenterprise. The economic formance of socialist Aral ntries was not always that I There are many cases o fficiency in public enter which are blurred by direc indirect subsidies. Socialism ved, in other parts of the v that private incentives cann ignored, and have to be use tool to induce higher produc by workers, farmers and p

munagers. In a sense, a revival of p: enterprise is taking place i Arab World and a pragmatic roach rather than a dogmati is gradually being adopted by icymakers. However, the prowill continue on how to rect both policies of inducing pr initiative and meeting social ectives of growth, equitable ome distribution and social

in Jordan, we have all thr believed in the capabilities of 44 vate enterprise and the nee, maintain a wide scope for pr initiative. This policy has paid well, despite the exogenous tors that challenged our stat and development. What is nee now is to coordinate the var measures of ministries and emmental departments wit view to minimizing unneces. delays and steps. The young 1 eration of private enterprene should develop better m hanisms to participate fully in p lic life and present their viewpo in economic regulations and m ters. It is high time that a Fération of Jordan Industries si uld be established and mann with a good number of technical qualified persons.

#### **ARAB PRESS COMMENTARY**

AL RA'L In light of the results of the Kuwaiti-Soviet talks which took place in Moscow recently, the proposal to convene an international conference to resolve the Middle East issue, with the participation of the Palestine Liberation Organisation on an equal footing with all concerned sides, becomes significant.

This proposal reaffirms the significance of Soviet participation to reach a just and comprehensive peace of the issue. It also means that the Soviet Union is prepared to perform its role in this connection, and that it rejects the monopoly of the Camp David parties on the issue, particularly now that events have proven the failure of this process and the Arab rejection of it.

It is noteworthy that the Kuwati-Soviet proposal comes at a time when the EEC countries are working on their anticipated initiative. Soviet participation does not mean ignoring the European role. On the contrary, the European role has its own significant weight. This is a fact which cannot be denied by anyone.

Nevertheless, the European countries should not act

slowly on their initiative, and they should present it formally so that the concerned sides can look into it and decide whether it is a fitting basis for the proposed

international conference. Furthermore, the Arabs should make crystal-clear their plans after they have been unanimous in rejecting the Camp David process, by supporting the convening of the international conference and urging the European countries to take into consideration the time factor of which Israel is taking advantage in order to construct more settlements and change the cultural and demographic landmarks of the occupied areas. Such actions complicate the situation further.

AL DUSTOUR: The Israeli raids on Sidon vesterday are a challenge to anyone believing in the Arab character of Lebanon and Arab nationalism everywhere. The tragedy caused by Israel in Arab Palestine and imposed on its people has begun to spread bloodily in Lebanon, as is evident from recent events. Premier Begin has stated

that Israel is determined to set some people in northern and southern Lebanon against one another in an attempt to absolve itself of responsibility for the tragedy of Lebanon. Furthermore, the Israeli tank concentrations and the continued shelling of the camps, cities and villages from the land, air and sea leaves no room for us as a nation to overlook what is taking place in Lebanon. It means we must convene an urgent Arab meeting at the highest level to find a responsible Arab reply to these bloody challenges which Lebanon is facing.

We have been linking Israeli aggression on southern Lebanon with domestic Israeli events, as if this justified these acts of aggression. Israel pays no attention to the condemnations of world bodies, and is frankly declaring that its forces are present inside Lebanese territory. It is also declaring that its air force controls Lebanese air space, and that its navy controls Lebanese territorial waters, as if Lebanon were no longer an independent state or a U.N. member, and as if Lebanon were not part of the Arab Nation.

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7:30

FM

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5:55	Zeineh
	Dr. Who
	foung and Restless
	rogramme Preview
	gramme on Health
	News in Arabic
	Arabic Series
	Local Programme
	Arabic series
	Dallas
CHANNEL 6	
6:00	French programme

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.......... Comedy: House Calls

..... Fantasy Island

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. News in Arabic

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7:01	Morning Show
7:30	News Bulletin
7:40	Morning Show
10:00	News Headlines
10:36	Pop Session
	Sign off
12:00	News Headlines
12:03	Pop Session
13:00	News Summary
13:03	Pop Session
	News Bulletin
[4:]0	Instrumentals
14:30	Melody Time
15:00	Concert Hour
16:00	News Summary
16:03	Instrumentals
16:30	Old Favourites
17:00	Now Music
17:30	Pop Session
	News Summary
18:03	First Spin
18:30	Top Twenty
	News Desk
19:30	Music
20:00	Evening Show
	News Suinmary
21:03	Evening Show
22:00	

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07:45 Network U.K. 08:00 World News; Reflections 08:15 Europa 08:30 Baker's Half-Dozen 09:00 World News: British Press Review 09:15 The World Today 09:30 Fin-uncial News 09:40 Look Ahead 09:45 The English Miniature 10:00 Discovery 10:30 John Peel 11:00 World News; News about Britain 11:15 Letter from London 11:25 Scotland this Week 11:30 Sports International 12:00 Radio Newsreel 12:15 Famous Opera Houses 12:45 Sports Round-up 13:00 World News: 24 Hours News Summary 13:30 Network U.K. 13:45 A Jolly Good Show 14:30 With Great Pleasure: Alan Bennett 15:00 Radio Newsreel 15:15 Outlook 16:00 World News: Commentary 16:15 Baker's Half Dozen 16:45 The World Today 17:00 World News: Scotland This Week 17:15 My Word 17:45 Sports Round up 18:00 World News: News about Britain 18:15 Radio Newsreel 18:30 Nature Notebook 18:40 Farming World 19:00 Outlook: News Summary 19:39 Stock Market Report 19:43 Look Ahead 19:45 Classical Record Review 20:00 World News; 24 Hours News Summary 20:30 A Composer Speaks 20:45 With Great Pleasure 21:15 The Pleasure's Your's 22:00 World News: The World Today 22:25 Scotland This Week 22:30 Financial News; 22:40 Reflections 22:45 Sports Round up 23:00 World News; Commentary 23:15 Classical Record Review 23:30 Brain of Britain 1981 **VOICE OF AMERICA** 

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10:45	Rome
18:45	Paris, Beirut (LH)
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19:45 .	Frankfurt
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01:00	Cairo
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12-05	Rivadh, Dhahran (S\
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#### **MUSEUMS**

Tel. 37169 Jordan Archaelogical Museum: Has an excellent collection of the antiquities of Jordan, Jabal Al Qal'a (Citadel Hill). Opening hours: 9.00 a.m. - 5.00 p.m. (Fridays and official holidays 10.00 a.m. - 4.00 p.m.). Closed on Tue-sdays. Tel. 30128

Jordan National Gallery: Contains a collection of paintings, ceramics, and sculpture by contemporary Isiamic artists from most of the Muslim countries and a collection of paintings by 19th Century orientalist artists. Muntazah, Jubal Luweibdeh. Opening hours: 10.00 a.m. - 1.30 p.m. and 3.30 p.m. -6.00 p.m. Closed on Tuesdays.

#### PRAYER TIMES

rajr	3:17
Sunrise	4:52
Dhuhr	11:36
'Asr	3:16
Maghreb	6.20
'Isha	7:41
•	<b>-</b>

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Omani riyal	940/946.6
U.S. dollar	325/327
U.K. sterling	
W. German mark	. 149.4/150.5
Swiss franc	. 164.4/165.5
Italian lire	
(for every 100)	30/30.2
French franc	63.1/63.5
Dutch guilder	. 134.7/135.5
Swedish crown	68.9/69.3
Belgium franc	
Japanese ven	
(for every 100)	153.7/154.6
•	

#### **USEFUL TELEPHONE NUMBERS**

Ambulance (government)	
Civil Defence rescue	61111
Jordan Electric Power Co. (emergency) .	
Municipal water service (emergency)	
Police headquarters	39141
Najdeh raving patrol rescue police, (English	sh spoken) 24
hours a day for emergency	21111, 37777
Airport information (ALIA)	
Jordan Television	73111
Radio Jordan	74111

Fire headquarters 22 Cablegramme or telegramme	no
Telephone:	
Information	14

Telephone maintenance and repair service

#### **MARKET PRICES**

Tomatoes	80	
Eggplant	140	Carrots
Potatoes (imported)	100	raunto
Marrow (small)100	70	Pananas 170
Магтоw (large) 50	40	Dananas (Irom makhmar)
Cucumber (small)180	140	Dates
Cucumber (large) 100	70	Apples (American, Japanese
Peas 160	100	red. waxed)
String beans	180	Apples (Double Red) 140
Potatoes (local)140	120	APPIES (SIGIRER)
Lettuce (head)50	40	7 PVICE (CONCENT)
Cauliflower160	120	Oranges (Spammouli) 190
Bell pepper	240	Quantes (valencia) 110
Cappage 60	40	Oranges (waxed)
Spinach	70	Graperton
Onions (dry)	80	Zenion
Onions (green)	100	Coconut (apiece)
Garlic	100	Water Melons230

### YOUR DAILY from the Carroll Righter Institute

GENERAL TENDENCIES: A fine day for deciding the policies and the tenets under which you would like to operate in the days ahead, so think them out with care. You can gain much success as a result.

FORECAST FOR TUESDAY, APR. 28, 1981

ARIES (Mar. 21 to Apr. 19) Study new ideas that could lead to advancement in your line of endeavor. Enjoy the company of close ties tonight.

TAURUS (Apr. 20 to May 20) Don't criticize a close tie at this time or there could be a severance of connections. Don't rely on your intuition today. GEMINI (May 21 to June 21) You can get excellent

results if you are more supportive of associates. Maintain your poise at all times today. MOON CHILDREN (June 22 to July 21) Get an early

start on work ahead of you and gain benefits. Be more cooperative with fellow workers. LEO (July 22 to Aug. 21) Figure out a practical way that could give you added security in the days ahead.

Follow the advice of a financial expert. VIRGO (Aug. 22 to Sept. 22) You know exactly how to improve conditions at home, so don't waste any time. Show more devotion to loved one.

LIBRA (Sept. 23 to Oct. 22) Gain the cooperation of close ties for gaining a personal aim. Steer clear of one who has an eye on your assets.

SCORPIO (Oct. 23 to Nov. 21) Analyze personal aspects of your life and figure out the best way to improve them.

Not a good day for taking risks. SAGITTARIUS (Nov. 22 to Dec. 21) Daytime hours are best for pursuing personal aims. Obtain the information

you need from the right sources. CAPRICORN (Dec. 22 to Jan. 20) Morning is best spent

handling career matters. A new plan needs more study before you put it in operation. AQUARIUS (Jan. 21 to Feb. 19) A business matter

could cause you to worry early in the day but later it turns out fine. Strive for happiness.

PISCES (Feb. 20 to Mar. 20) Morning is fine for handling civic matters. In the afternoon influential persons can help you advance in career matters. IF YOUR CHILD IS BORN TODAY . . . he or she will easily comprehend varying schools of philosophies which

could lead to a most successful life. Teach not be be so

overly independent and to become more interested in humanities. There is musical talent here. "The Stars impel, they do not compel." What you make of your life is largely up to you!

EEC envoy says after M.E. tour

### Soviets launch Mideast initiative based on all-party peace conference

IRO, April 27 (R) — Dutch eign Minister Christoph van Klaauw has confirmed the viet Union has launched a ice initiative in the Middle

Dr. van der Klaauw, president the European Economic Cominity (EEC) Council of Miners, told reporters in Cairo that lestinian leader Yasser Arafat d him about the Soviet initiative sed on holding an international iference to resolve the Middle

I told Mr. Arafat holding an ernational conference must be the end of the peace process, : at the beginning. We must first 4 the basis and the principles on ich peace could be built," the tch minister said.

Dr. van der Klaauw, who met . Arafat last week in Damascus. d: "If the Soviet Union wants international conference, they i have it, but at a later stage, not

The Dutch minister made his narks following meetings with yptian President Anwar Sadat 1 Foreign Minister Kamal Has-Ali. He said his discussions ussed on the European role in

He said the discussions dealt with the Palestinian right to selfdetermination, the Jerusalem problem, security for all parties and Israeli withdrawal from occupied Arab territories.

Dr. van der Klaauw also said he would visit Israel where he hoped to meet with the West Bank lea-

He said any European proposals would be formulated in 'close cooperation with our main ally, the United States.

Mr. Ali, standing at his side. told reporters "we have the same opinions about peace in the Middle East and agreed that European efforts will be complementary to the Camp David

Mr. Ali, in a speech during a dinner he gave to Dr. van der Klaauw, urged a more effective European role in the Middle East.

He said: "We believe that Europe should also take definite stands on the different issues of the Middle East, guided by the principles of justice and intemational law.

Referring to the Israeli set-

issue. Mr. Ali said a clear European stand conforming with international law, would "surely create an atmosphere suitable for bringing peace to the region." He also urged Europe, which he

Palestinians and Israel, to contribute in building up confidence between the two sides guided by the example set by Egypt and Israel through the normalisation of their relations.

### Bahraini leader starts official visit to India.

NEW DELHI, April 27 (R) — The Emir of Bahrain, Sheikh Isa bin Sulman Al Khalifa, arrived today on a four-day official visit to India. He praised India's "effective and influential" role as a leader of the Non-Aligned movement and said he was confident his talks with Indian Prime Minister Mrs. Indira Gandhi would produce positive results.

Indian officials said India and Bahrain were expected to sign an economic co-operation agrecment during the visit. Indian, sources said the two sides were expected to discuss the Soviet presence in Afghanistan, Western defence strategy in the region and Islamic and non-aligned efforts to end the Iran-Iraq war.

## Israeli army discharges soldier who refused duty in West Bank

The Israeli army Sunday discharged as "unsuitable" a 19year-old private who became a to go to jail rather than serve in occupied Arab territory.

Last month, after public pressure both here and from abroad, the military Chief of Staff, Lt. Gen. Rafael Eitan, commuted Gadi Elgazi's one-year sentence after he had served eight months in a military prison. The army said Elgazi was to be allowed to finish his regular tour of duty.

But Elgazi said that once he was out of jail, the army gave him the

Bank or be discharged.

"I rejected both choices," Elgazi told the Associated Press by minor cause celebre for deciding telephone Sunday. "Not serving my nation is also against my conscience.'

In Israel, the dismissal could hurt his chances for future education or employment, because any man who does not complete the obligatory three-year duty, for whatever official reason, is open to criticism that he shirked his nat-

During a military trial in January 1980. Elgazi cited his objection to the military govfollowing ultimatum; either rejoin ernment's policy of exiling Palhouses and shooting unarmed student demonstrators in occupied territory. The court ruled that Elgazi based his position on polities, not conscience and sent him to jail.

The military also feared to set a precedent for other soldiers who might not want to serve in the West Bank, where Israeli troops can expect a fair amount of active duty in quelling resistance. In ruling him unsuitable for

army service, some sources said the army just didn't want a soldier who couldn't follow orders.

Had Elgazi claimed he was a pacifist, or an Orthodox Jew, he

would have been eligible for special dispensations. Priorities to serve within Israel are also given to only sons, and soldiers from families who have lost men in war-

Elgazi said he had been pleasantly surprised by the number of people who supported him.

"I got over 250 letters while I was in jail, and lots more, from all over the world, waiting when I got home." he said

And he did not seem concerned over the personal problems his early dismissal might cause. "I did my service as I believed I

could. I'm proud of everything I

### Kuwait denounces Soviet aggression in Afghanistan

MOSCOW, April 27 (A.P.) — Kuwaiti Foreign Minister Sheikh Sabah Al Ahmed Al Sabah criticized the Soviet military intervention in Afghanistan during talks here last week with Soviet officials, informed sources said

The sources said the Kuwaiti official, who is also his country's deputy premier, told his Soviet hosts that "the Afghan people should be left to solve their problems by themselves."

It was not known how Soviet officials responded to the reported

A communique issued after the Kuwaiti official's departure Saturday made no mention of the Afghan question. The communique was distributed by the official Soviet news agency TASS.

Kuwait and other Gulf states have strongly criticized the Soviet decision to send some 85,000 troops into Afghanistan, where guerrillas are fighting the pro-Soviet, marxist regime.

After the two-day, official visit to Moscow, TASS said the two sides had come out against the establishment of military bases in the Gulf region.

The TASS report said the two

sistently enduring with all its

sides had condemned Israel's efforts to consolidate its position in territories captured during the 1967 war, and had denounced Israel's "unceasing aggression" against Lebanon.

They also came out for an intemational conference on the Middle East at which the Palestine Liberation Organisation would be given equal status with other parties, TASS said.

Kuwait is the only Arab govemment in the Gulf region to maintain an embassy in Moscow.

#### Ian Gilmour meets Turks

ANKARA, April 27 (R) — British Deputy Foreign Minister Sir Ian Gilmour today conferred here with Turkish head of state Gen. Kenan Evren and other leaders and said his talks were most useful and interesting, official sources said. They said Sir lan, who arrived for a four-day visit yesterday, also met Prime Minister Bulend Ulusu and Foreign Minister Ilter

It is the first visit to Turkey by a British cabinet minister since last September's military coup here.

Turkmen.

ntity of their human heritage, per- clings to old beliefs. His art strives

# Arab visual talents spring back to life

EDITOR'S NOTE: Helen Khal is an American-Lebanese with long esidence in Lebanon. Well known in the Middle East as an artist and ritic, she returned to the U.S. in 1976 and is currently editorial onsultant to the Jordan Information Bureau in Washington, D.C. Planned for publication this year is her book on women artists in

By Helen Khal

"ASHINGTON - It was undbtedly such a narrow view that impted no less an authority in Robert Hughes, art critic at ne, to end his otherwise spllid review of an Arab Islamic exhibition in 1975 with these ds: "At a time when the visual ents of the Arab World appear have sunk to brass ashtrays, venir hookahs and oil-rich stro Convertible kitsch, it is a

y to see what went before." That Arab creativity, lay dorant for some centuries after the ilden age of Islam, had spent its nius is true. To presume that it is ad today can only be regarded STAY APRE an uninformed and incorrect servation. Notwithstanding the ady production of "brass ashivs." Arab visual talents are ain in this century very much ve. In country after country, ross that wide swath of the Arab

orld that stretches from Morco to Iraq, painters and scuors are producing with fresh ergy, a contemporary art in high sthetic merit. Despite the easy ailability of visual and media mmunication in our modern irld, cultural exchange between est and East (or, more spepatent ically, between "developed" d "developing" societies), has nained very much a oneway str-L An unfortunate result is that ntemporary art in the Arab and continues to suffer an und-

rved anonymity. The development of connporary art in the Arab World gan less than a hundred years ') and emerged as one of the age influences of the growing - eign interests in the area. It

bila Al Bassam (Saudi Arabia)

should be remembered that this art has no roots in Arab cultural heritage, that it originated in Europe and out of the Renaissance tradition whose concept of art and paths of expression were significantly different. For the Arab World, and for most other regions of the world which remained for

long centuries in a similar cultural

isolation, it is an adopted art form. Imported from Europe, the art of painting and sculpture did not effectively penetrate Arab borders until the late 19th century, along with the advent of modern international communications and societal mobility. Until then, the Arab aesthetic experience had remained rooted in Islam, fed and determined by a civilisation in which art functioned as an integral and intimate expression of the society and which, in turn, through its abundant genius and at its height, produced some of mankind's most impressive cultural achievements.

As recently as 50 years ago,

there were certainly no more than a few dozen painters and sculptors scattered through the entire Arab region. The easel art of Europe was little known, except in the palaces of the aristocracy or in the icons that adorned the scattered churches and monasteries of the area. After World War I and the subsequent sweep of foreign mandate control over many Arab countries, there occurred an accompanying invasion of foreign educational and cultural interests. In British, French, Italian and American mission schools, young Arab students were introduced to a new kind of "picturemaking"; they were taught to draw from nature, to produce portraits and landscapes, and the conversion to

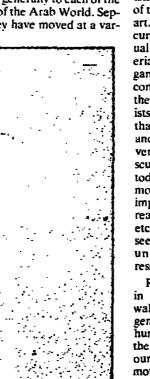
modern art began.

Seeking to follow the path of Renaissance genius, the first Arab artis swent off to Europe to study. There, they were instead confronted with the revolutionary forces of impressionism, cubism. and abstraction. In 1910, when Picasso and Braque had already chopped up the figure into an almost unrecognisable jumble of planes and cubes, the Arab artist

however, before the Arab artist could try to speak on his own. He had to pass through the necessary age of imitation before he could begin to assert his own creative needs through these new, adopted art forms. Not until after World War II did the Arab artist acquire sufficient experience to lead him into a personal contemporary interpretation of his own sociocultural roots.

rapidly towards that goal. The Iraqi government's encouragement and support of their efforts includes the publication of U.R., a bimonthly cultural magazine published by the Iraqi Cultural Centre in London, the only one of its kind in English.

This developmental story can be applied generally to each of the countries of the Arab World. Separately they have moved at a var-



Aziz Amoura (Jordan)

was still an infant, still at the very edge of the matter. Young and curious, these eager pioneers wasted little time with a dying classicism and moved quickly into the more lively, though still comprehensible, adventure of impressionism. And they came back to their capitals - to Baghdad, Beirut, Cairo, Damascus, Rabat -with spirits full of this new concept of art for art's sake.

It took two more generations.

Today, the artists, male and female, are many, and each country has its own art academies, its own museums, its own galleries. Children are introduced to art at an early age, and government institutes of art provide high level training, tuition-free. Modern art works are found in public, squares, in homes, in business institutions, and in government bui-

Many artists, supported by govemment grants, continue their training abroad in the art capitals of the world most return home to take up their vocation as professional artists, and some also become teachers to another generation of artists. Others remain abroad, in Europe, England and the U.S., determined to make their mark in the mainstream of international art. One such group of Iraqi artists. living and exhibiting in London during the past several years, has been moving

ving pace of growth; separately, their artists express the peculiarities of form and colour that convey the specific personality of form and colour that convey the specific personality of their land and national temperament. On the surface, these differences exist; yet basically, the cultural area is one. Closer observation reveals the underlying links of a

common tradition, the deep imprint of similar social, cultural, religious and ethnic influences that provide the identifying structure of one people's art. Like a Persian carpet, the design may be an intricate composite of mosaic parts, but the whole remains one piece. (A parallel experience has developed on the wide continent of America, where although there is basic commonality, the art of California and New York shows distinct differences in creative motivation and style.)

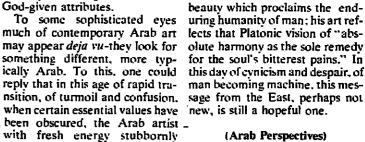
It would be difficult to define a

specific stylistic trend in current Arab art, difficult to fit it into a national or ethnic label. The manner of art in this century has gone beyond the isolation of cultural or national borders; it has assumed an international form, with one language, one concept and one function. The Arab artist, like artists all over the world, is a member of this international community of art. He expresses himself in the current idioms of a universal visual language, using the same materials, employing the same wide gamut of styles, and seeking to convey his creative intention with the same intensity of vision as artists anywhere else. Well aware that art does not grow in a vacuum and that its heritage now is a universal legacy, Arab painters and sculptors develop, as all artists do today, from the historical basics of modern art -- figurative, abstract, impressionist, expressionist, surreal, minimal, pop, op, kinetic. etc. Out of these germinating seeds, they are forming their own unique contemporary exp-

Readily apparent and definable in Arab art today is the reawakened creative spirit that is generating its energy. The singular human experience that is molding the forms and modulating the colours. One can discern a common motivation feeding the vitality of this art. It is, in a word, the polarity of existence between man and machine, between the humaneness of being and the soulless automation of a technological age. The dichotomy of this condition is being profoundly experienced in the Arab World, and it is in turn the existential challenge most

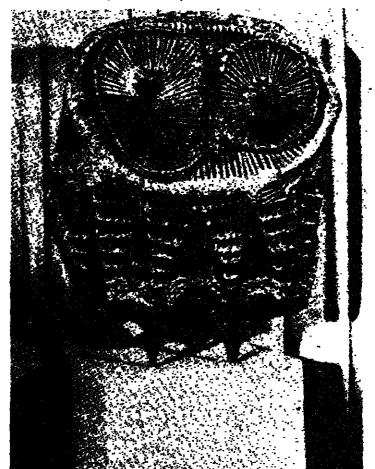
often expressed in its art. Whether portrayed figuratively or in the abstract, the complexities of the human condition is a recurring theme. Compositionally, the work often expresses the contained energy and introspection of the eastern meditative spirit. Inherent in much of the imagery and symbols is a deep attachment to the earth and to man's roots in that earth. The lines, colours and textures convey not only the physical temperament of a particular land. but also relate the emotive experiences of joy or tragedy, of fear

or dignity, that mark all lives. Arabs artists do not find their inspiration in soup cans, steel buildings or concrete sidewalks; nor do they paint romantic desert landscapes. The essence of their vision lies rather in asserting the ide-



for order, for that classical sense of

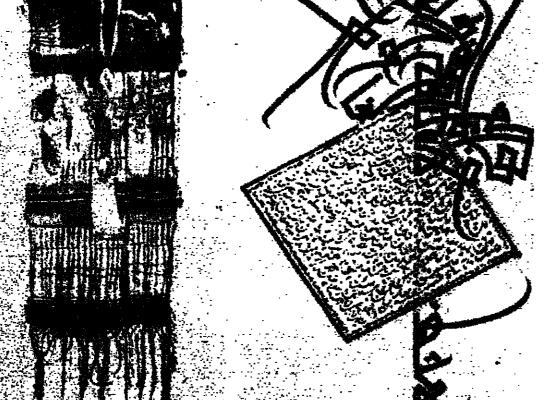
(Arab Perspectives)



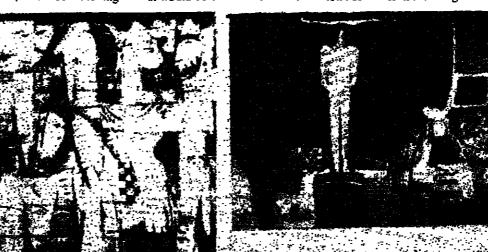
Salah Abul Karim (Egypt)



Saloua Raouda Choucair (Lebanon)



Neja Mahdaovi (Tunisia)



Walid Mougarbeh (Syria)

## ECONOMY

## Yamani: oil is overpriced

MADRID. April 27 (R) — Saudi Oil Minister Ahmad Zaki Yamani today pressed home his message to the rest of OPEC that he thinks crude oil is over-priced and that Saudi Arabia is engineering a glut to bring it down, but he declined to predict early success.

At a Madrid news conference. he said the Saudis had acted to boost their huge production this month, although a market surplus has already pushed spot, noncontract prices for Arabian light crude down to around the psychological barrier of \$35 a barrel.

Forecasting a further fall in spot prices, Sheikh Yamani said some Saudi crude hung on the market during March at a price of \$36. The Saudis therefore cut to \$34 and expected that us a result their output this month would retum to a record 10.3 million barrels per day (b/d).

Saudi move would add to the difficulties of price "hawks" in OPEC (the Organisation of Petroleum Exporting Countries) whose market share is threatened by Saudi over-production at low

Yamani has said he looks for price

Saudi Arabia still charges only \$32 a barrel for most of its production, with most of the other 12 OPEC members aligning their rates on a base price of \$36.

A recession-led slump in world Oil industry analysts said the oil demand has pared total OPEC output to under 25 million b/d compared with 32 million in 1979. yet spot prices are still declining are buyers have walked away from some Nigerian and Kuwaiti high-

#### triples in 1970s Saudi

RIYADH, April 27 (A.P.) — Soaring oil prices during the 1970's helped Saudi Arabia nearly triple its Gross Domestic Product measured in real terms.

But the kingdom's non-oil sector outperformed the oil sector. according to the annual report of the Saudi Arabian Monetary Agency released vesterday. The decade covered by the kingdom's first and second five-year plans, ending in mid-1980, saw non-oil real GDP soar to more than 3.5 times its 1970 level. Real per capita income more than doubled during the period.

Surging oil prices have enabled this sparsely populated kingdom. which controls more than 25 per cent of the non-communist

world's oil reserves, to embark on ambitious development plans. The same report makes clear that development spending will continue to grow during the coming

Typical of the figures released in the report are the ones on government spending, which grew from \$1.5 billion in 1970 to \$56.5 billion in 1980. That is expected to rise to \$73.5 billion in the current

fiscal vear. The spending has enabled Saudi Arabia to provide vastly improved free health care and education, as well as improved water, sewage and electricity services to its cit-

The number of students in Saudi schools and universities tripled during the 1970s, growing from 500,000 to 1.5 million as the government seeks to eradicate illiteracy and develop the skilled manpower that will staff sop-

histicated new industrial plants. The report notes that the government has built 16 new seawater desalination plants to provide 47.3 million gallons of freshwater a day, while generating up to 331 megawatts of electricity.

The government acknowledged in the report that the rapid development built up intense inflationary pressures during the 1970s, but said policies of fiscal restraint, improved transportation and subsidies on essential items have brought inflation under con-

#### **ECONOMIC NEWS BRIEFS**

#### Lufthansa voted best for business travel

LONDON, April 27 (R) — The German airline Lufthansa has been voted the best for business travel in an international poll of executives from nearly 1,200 companies.

Swissair came second in the survey by the magazine. Annual Investment File, which also gave top marks for airports to Frankfurt International with Paris's Charles de Gaulle airport runner-up.

About 77.6 per cent of the businessmen polled did not think supersonic travel by Concorde was worth the extra cost, but a new business class introduced by some airlines was favoured by 41 per cent.

#### Japan approves \$3.6b joint venture with Iran

TOKYO. April 27 (R) - The Japanese government said today it continued to support a \$3.6 billion joint venture with Iran to build a petrochemical complex at Bandar Khomeini.

International Trade and Industry Minister Rokusuke Tanaka told parliament that Japan's Mitsui Industrial Group had not consulted him about its decision last week to withhold further funding of the 85 per cent dompleted project.

"Neither have I approved it." he said. Mr. Tanaka said there was no change in the government's policy of promoting the project but added that it would be irresponsible to resume construction without knowing the full extent of damage caused to it in the Iran-Iraq war.

Japanese newspapers have said that bombing by Iraqi planes had caused some \$800 million worth of damage.

Mitsui said last week that present circumstances made continuation of the project impossible and that it had decided to withhold further financing of the construction work, which was seen as a sign that the Japanese were ready to pull out.

#### World Bank approves \$15.6 loan to Syria

WASHINGTON, April 27 (A.P.) - The World Bank announced today the approval of a \$15.6 million loan to Syria for an education project.

The project is designed to improve the quality of training and expand the facilities for providing the construction industry and the agriculture and health sectors with better trained workers.

#### Libya buys giant oil tanker

BEIRUT. April 27 (R) - Libya has added what it described as the biggest oil tanker in Africa to its merchant fleet, the Libvan news agency JANA

It did not give the vessel's tonnage but said it could carry about 1.4 million barrels of oil.

#### **LONDON EXCHANGE** RATES

LONDON, April 27 (R) — Following are the buying and selling rates leading world currencies and gold against the dollar at the close of trading the London foreign exchange and bullion markets today.

One sterling One U.S. dollar 1.1929/32 2.1802/12 2.4200/20 1.9885/1.9900 5.1650/80 35.47/50 1086.00/1087.00

6.8615/30

483.50/485.00

French francs Belgian francs Italian lire 211.80/212.00 4.7000/7500 5.5090/5100

Japanese yen Swedish crowns Norwegian crowns Danish crowns U.S. dollars

U.S. dollar

Canadian dollar

**Dutch** guilders

Swiss francs

West German marks

#### LONDON STOCK MARKET

LONDON, April 27 (R) - Equities generally finished mixed, though th oil sector was weak throughout, and government bonds drifted in que trading, dealers said. At 1500 the F.T. index was down 0.9 at 586.4.

Share prices opened lower across the board but a midmorning rall attempt steadied the market and most sectors consolidated the gains o last week, dealers added. Oil shares were the exception following advers weekend press comment, BP and Shell falling 14p and 10p respectively British Aerospace ended 8p down at 224 and Vickers shed 2p but Tube and Hawker Siddeley gained 2p and 4p respectively.

U.S. and Canadians were generally higher.

Government bonds continued to attract little interest and prices at the largest delice and delice and delice and delice.

longer end drifted 3/s point lower, dealers said.

Leading banks were between 3p and 6p lower but discount houses wer firm following results from Gerrard and National which added 10p to 31( Dunlop added 4p while Bat Industries fell 3p on small turnover ahead o Wednesday's results, which are expected to be flat, analysts said. Reer International was unchanged on balance after announcing the closure o two paper-making machines with the loss of 150 jobs.

Gold shares drifted during the afternoon reflecting the weaker bullion

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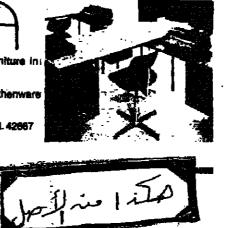
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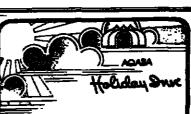


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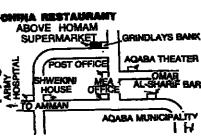
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### **MISCELLANEOUS**



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## Making nature your partner

By Clyde Sanger

u 😪 e really is to be clean water initation for all by 1990, the pping countries have to find ogies that are both praand economical. This search aplicity has led some of their ists to look at the problems a different point of view.

e of the most inventive g them is Zimbabwe's Peter an, a marine and freshwater gist. He has to his credit a ICK Me-wheel water pump make heimother water pump that is sed" by children at play, and tilated toilet that is virtually

> British-born Dr. Morgan s original biological research hellfish off the Yorkshire He went to Malawi to study n in a lake that incerately dried up for a year. noved on in 1972 to the Blair arch Laboratory in Salisbury research on the snail that is lost of schistosomiasis. This n an interest in basic health and clean water supplies that ntensified when he was called r reservist duties. His job was reck on health conditions in of the 140 "protected vil-

where at least 220,000 ans had been herded from l areas to remove them from rilla influence. hatever else was bad about "keeps", he found that en and children there ben-

d from the cleaner water pro-

I from wells, compared with

ited river sources they often

d on at home. He resolved to

try to improve those home con-

He believes with quiet fervency in "making nature your partner, studying it and making use of natural forces". These forces, he says, are very dependable and technology using such basic principles requires the minimum of maintenance and attention.

Modern technological man, he says, tends to fight nature -- and is successful only for a time. The ancients were wiser. He recalls the great Roman waterwheels of Hama in Syria, which have raised water for more than 1,000 years, and calls them "superb examples of a technology so elegantly simple that it becomes totally dep-

Yet they only raised water to spill into troughs just below the full height of the wheel; and some had therefore to be built to huge proportions. 30 metres or more in diameter. Attempts to raise the water higher than the rim -- by chains, valves, pistons or levers -destroyed the wheel's simplicity and thereby its dependability.

Dr. Peter Morgan has done bet-

ter. At the Henderson Research Station near Mazoe he built a small paddle-wheel two metres in diameter across a small canal and coiled five centimetres plastic tubing around it near to its rim. One end of the spiral collects water from the canal as the wheel turns. the other is joined to the axle. The water travelling along the coils compress the air in them, and both air and water are expelled underpressure at the central point. The wheel is so simple that only one

part -- a water seal at the axie --

Bavarian airbag device proves avalanche lifesaver

An improved four-metre wheel with two sets of three coils each can pump 90,000 litres a day into a storage tank eight metres higher than the level of the canal. The pump is cheap to build, and the cost savings compared to a diesel-powered pump are con-

Dr. Morgan says much larger savings can come from bigger wheels placed across the twometre-wide irrigation canals in the Zimbabwean lowland, where a good deal of African land resettlement may well be concentrated. He speculates that a wheel that might cost \$1,000 to erect, could pump perhaps one million litres a day.

His main interest now is in water purification and storage. Noting that the ancients often stored water in copper vessels and seem to have avoided gastroenteritis, he has experimented by passing the tank water down a six metre length of copper tubing, and also in another experiment through copper ore. He found that a slow drip through the tubing -enough to provide drinking water for a family at 30 litres a day -made it free of bacteria.

He has also applied the natural biological process that occurs when water passes slowly over sandy riverbeds and the pathogenic bacteria are destroyed during the filtering. Very polluted water which he passed slowly through sand and gravel in a 200 litre drum showed dramatic drops inger sand filters. One of them containing 10 cubic metres of sand held inside a large plastic bag, produces 3600 litres of pure water

His storage experiments involve taking the canal water through four large tanks - the first three for purification, the last for storage -- with connecting pipes at different levels. He points out that the highest quality of water is near the top of a tank, although it is usually tapped from the bottom. Normally a modest man, he says of this experiment: "It should be a winner. It is the ultimate for water in rural areas.

established winners. One of the most popular is his "swing pump" a way of using the energy of children at play to raise water. He has adapted a conventional lift pump so that it is worked by children on a playground swing. A chain coiled round the lintel of a swing rises and falls as a child swings to and fro.

Dr. Morgan already has several

Another success is his model of a ventilated privy, properly called a Bioflu, but also known as "cottonblossom" because its tall chimney resembles the smokestack of a Mississippi river boat!

He developed this toilet for rural areas where little water is available, but it is anyway more dependable than most waterborne

He had to overcome the two main disadvantages of a pit latrine: being the source of offensive odours and a breeding place for eflies. Dr. Morgan decided once the coliform count. Even more again to use natural forces -- in impressive are results from his lar- this case, the fresh wind and sun-

MUNICH — The avalanche

airbag, invented by Bayarian

forester Joseph Hohenester,

hit the headlines three years

ago. An inflatable ball made

of PVC-clad nylon fabric, it

keeps skiers and mou-

ntaineers on the surface when

they are engulfed in ava-

and a pocket model, are ava-

ilable. Complete with ripcord

and compressed air car-

tridge, the bag inflates in

three seconds flat. It has pro-

ved its worth in the south of

the Federal Republic of Ger-

many, in Switzerland and in

Canada, (Photo: DaD/A.P.)

lanches.

## Tube babies' spooky'

By Peter O'Loughlin

SYDNEY, Australia Australian scientists engaged in "test tube haby" research have frozen about a dozen human embroos that they believe could be thawed and implanted in infertile women to produce healthy children.

The technique, which has not yet resulted in a pregnancy, raises host of legal and ethical questions that would have to be resolved before it could become widespread, according to Dr. Cari Wood, the leader of the scientific team at the Queen Victoria Medical Centre.

The freezing of embryos comckenwire. Total cost, with pipe plicates reproduction to a degree and a plaster-mix chickenwire roof, is about \$50. They can also which I would not be prepared to sanction before the community be made with bricks. Health assand legal profession examine it ... I istants have been building them in think It's frightening. I am concerned about the ethics of it." Dr. Dr. Peter Morgan has sought no patents for any of his inventions. Wood said. Dr. Wood also added that the technique might even and has done his best to stop anymake it possible to fertilize an egg one else patenting them by pubnow freeze it and return it to the womb centuries later. He said he did not know of any scientists working on such a thing and would oppose it if he did. "I can't see any

purpose in doing that," he said. Two frozen embryos were thawed and resumed growing outside the womb, scientists at the medical centre told the Associated Press. The embryos were implanted in their mothers' wombs but failed to result in pregnancy, the scientists said. Nevertheless, they said, that does not indicate the technique is a failure since the success rate for implantation of embryos that have

not been frozen is only about five

per cent.

The team has already been responsible for three of the world's five known "test tube babies," or children born after being conceived outside the womb. Two more "test tube babies" have been born in Britain. where the technique was invented. There was also a report of a birth in India, but it has not been con-

firmed scientifically. 'Test tube baby" research was developed to treat women who could not have children because their fallopian tubes were blocked. The fallopian tubes are the pathways by which the egg travels from the ovary to the uterus, where it is fertilized. Scientists extract one or more eggs from the ovary, fertilize them with the father's sperm in a test tube and then return the fertilized egg to the womb. Dr. Wood and his colleagues have frozen about 12 human embryos in liquid nitrogen

when, for various reasons, they could not be implanted in their mothers after being fertilized.

"If we couldn't freeze it (the embryo), we'd have to let it die, Dr. Wood said. The fertilized egg can live only about a day and a half outside the womb. The scientists believed freezing eggs "the most attractive alternative to discarding them, he said. Freezing the embryos is the most attractive alternative ethically for research into infertility. But if the practice is perfected -- and it is not our major interest -- then serious problems arise," Dr. Wood said.

Future probelms could include the possibility of the sale of embryos by unscrupulous people to infertile couples, he said.

He said governments should control experimentation in this field until the legal, ethical, social and religious implications were examined. The hospital's own work has been approved by itsethics committee, he said.

Dr. Wood said he had discussed it with many people and found many of them thought that freezing embryos was "spooky."

"They see it as too close to Aldous Huxley." Dr. Wood said, referring to the author who wrote the novel "Brave New World" about a future society where people were bred in test tubes for

(Associated Press)



€ 1981 by Chicago Tribune

The toilet has no door, and no

covering over the hole. There is

another aperture, leading up a 15

centimetre diameter vent pipe,

about three metres high. He found

that by placing the pipe on the sunny side of the toilet and pai-

nting it black, it absorbed most

heat, and the wind across its top

As for flies, after they enter the

pit through the uncovered hole.

they are attracted towards the sun-

light at the top of the vent pipe.

only to find their exit blocked by a

fibreglass screen. Eventually they

expire there, and drop back into

A corrugated iron mould is

normally used to make up to 100

of these cylindrical units out of

cement stiffened with chi-

thousands in tribal areas.

lishing details at an early stage.

(IDRC Feature)

combined to produce a good upw-

ard draught.

DEAR MR. GOREN Q.-In a game the other night, I held this combina-

> A J 8 Declarer K9632

I lost two trump tricks and, as a result, went down one. Is there any way to guarantee no more than one loser in the suit?-R.S.L., Detroit

(This question has been awarded the weekly prize.) A .- If you have plenty of entries to the two hands, it can be managed. The safety play is to start the suit by cashing the ace. When both defenders follow suit, cross to declarer's hand and lead a low card toward the jack. If West produces the queen, your problem is solved. If West follows with a low card. insert the jack. Should this lose to the queen, that means there is only one more trump outstanding, and you can draw it with the king. If the jack wins and East follows. West has just allowed your "safety play" to pick up the trumps without losing a trick. If East shows out, lead a trump to the king and West's original holding of Q-10-x-x is limited to one

Now, let's consider those cases where West fails to follow to the second lead of the suit. Again you play the jack from dummy. After East. wins the queen and exits, you get back to dummy and lead the remaining trump, taking the marked finesse against East's ten. Again you lose only one trick.

trump trick.

Q .- In a duplicate game the other night, we had what I

roling. I made an insufficient bid, and when asked by the director to correct it, I substituted a pass. When it came time for my partner to make the opening lead, the director told declarer that he could demand the lead of a specific suit. I have heard of a specific suit being barred, but I have never beard of one being demanded. Declarer's choice of suit forced my partner to lead away from his king into declarer's acequeen tenace, and as a result they made a contract that had to go down otherwise. Was the ruling correct, and isn't the penalty excessive? -B. Loman, Los Augeles, Calif.

A .- I hope that, when he was called, the director explained the options. If so, I can only presume that your attention wandered. The director's interpretation of the Laws was correct, and he should have explained it before you corrected your bid. The Law states: "If the call substituted is

(c) a pass, (penalty) the offender's partner must pass whenever it is his turn to call: and if the offender's partner is to make the opening lead, declarer may either (i) require the offender's partner to lead a specified suit, or (ii) prohibit the offender's partner from leading a specified suit."

As to the severity of the penalty, that is difficult to judge. In your case, it resulted in giving declarer an unmakable contract. At other times, it might have had no effect. There is no doubt that an insufficient bid is a serious transgressionoffender's partner receives so much illicit information that it could alter the whole course of the defense.



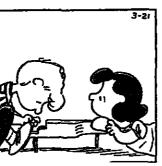
Yes, 21 percent interest is high, but I have to eat, too. More caviar, André."

SEART SEARCH

NDAR



I'M SURPRISED THAT YOU DIDN'T FALL IN LOVE WITH ME THE VERY FIRST TIME YOU SAW ME ...

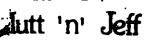








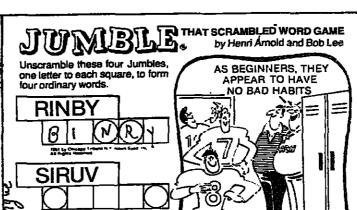


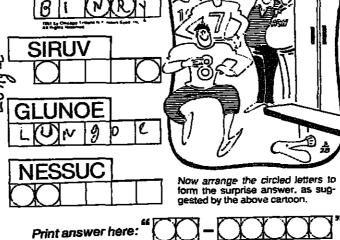












Jumbles: QUEST RAVEN ENMITY LIQUOR Answer: What the construction foreman got from the mason—"MOANS"

### THE Daily Crossword by William New!and

36 Practice

37 Fit out

40 So long

41 Smooth

43 Agenda

entry

45 Battery

46 Varnish

ingredient

setters

44 AL player

boxing

for action

majesty

53 Lawyer's

56 Reveals

59 Boxscore

entry

62 Persistent

64 Was skit-

66 City on

67 Just so

68 Clean off

69 Hemline

length

preoccupa

charge

13 Enthusiasm

19 "The — Not

singular

27 Louisiana's

Taken"

22 Most

25 Of por-

bird

28 Moving

29 Torrent

31 Renoir's

cloud

tive

34 "- Mio"

35 Has effect

38 With arch-

47 Cribbage

terms

49 Cantanker

51 Hostess

Perle 53 Branch off

55 Salinger

58 Pot incre-

ment

60 A-one

girl 57 Čertain

33 Unimagina-

30 Horseman

Abrasive That —" 14 The South

15 Vagrant 16 Helm position 17 Choristers 18 Raneful 20 Mal de -21 Bay off

23 Attention getter 24 Like summe

26 Bloke 28 Rising: var. 32 Bus' last

50 Torpor 52 Broadway Yesterday's Puzzle Solved



Makes an impression DOWN

1 Cheese choice 2 Marathon

4 "- Rita' 5 Sycophants 6 Spare Uncoopera tive word 8 Aims sound

11 Out of



1981 by Chicago Tribune-N.Y. News Synd. Inc.

## WORLD

Sands very 'close to death'

### N. Ireland braces itself

BELFAST, April 27 (R) — Jailed Irish guerrilla Bobby Sands, recently elected to the British parliament, was today "very seriously ill, extremely weak and close to death" after a two-month hunger strike, supporters said.

Mr. Sand's mother and sister, told by prison doctors he could die at any time, visited him in a prison hospital outside Belfast today, the 58th day of his fast.

All police leave in the British-ruled province of Northern Ireland was cancelled as the authorities prepared for possible violence if the 27-year-old prisoner

Mr. Sands is fasting to death to demand political prisoner status

for himself and other Irish Republican Army (IRA) guerrillas jailed for bomb attacks, murders and firearm offences in their fight to end Northern Ireland's links with

The British government has refused to concede. The hunger strike has already provoked rioting over the past week and Mr. Sands' death is expected to start a new upsurge of violence.

A British government spo-

### Half-day strike hits major U.K. airports

LONDON. April 27 (R) — A half-day strike by air traffic controllers at two key centres disrupted services today at London's Heathrow and Gatwick, and other major British airports.

As the stoppage by the morning shift ended, services were reported to be getting back to normal. But the British Airports Authority warned that delays would continue in the afternoon.

At Heathrow, an official said only 21 flights had been able to take off between 0630 GMT and 1000 GMT instead of the normal 25 an hour. British Airways cancelled 50 services.

Long-haul flights to London were diverted to other West European airports, including Paris, Frankfurt and Shannon. Many big airlines rescheduled flights to arrive later today.

The walkout by most of the controllers at centres at West Drayton, near Heathrow, and Prestwick, Scotland, was the start of a phased, five-week campaign in support of a 15 per cent pay claim by nine civil service unions. The government has offered seven per

Scottish airports are due to be hit tomorrow morning, according to union officials.

#### **WORLD NEWS BRIEFS**

#### Cleric shot dead in Zimbabwe

SALISBURY, April 27 (R) — Gunmen shot dead a Roman Catholic priest at a remote mission station in western Zimbabwe at the weekend, police said today. A second priest died of shock when he heard the news about Father Edmar Sommerreisser, a West German, who was gunned down last night at Regina Mundi mission, near Lupane, a spokesman said. Father Sommerreisser, 67, who came to this country in 1949, was attacked twice yesterday evening, friends said. He was firt knocked unconscious by unknown assailants and then shot in the back when he tried to call for help. Police said they did not yet know who had killed him. When word of the murder of the missionary reached Bulawayo, a second priest, Father Marianus Renk, 77, collapsed and died early yesterday morning, police said. Father Renk was also a West German. Both priests were born in Bavaria. During Zimbabwe's seven-year bush war, eight missionaries died in western Zimbabwe and about 15 others were killed in other parts of the

#### State-run gambling casino in Hungary

BUDAPEST, April 27 (R) — The first gambling casino in Hungary since it became a communist state has opened in Budapest -but only to foreigners with hard currency. The casino, situated in the Hilton Hotel in the historic Buda Castle area of Budapest, opened Friday night. Operated jointly with an Austrian company, it is the only casino in the Soviet bloc outside Bulgaria which has two or three catering for tourists. The new casino has both French and American roulette, blackjack and baccarat, as well as onearmed bandits. "We need hard currency, and it doen't matter whether it's capitalism or socialism," a casino official said. "The only difference is our profits go to the state."

#### Haig to visit India

NEW DELHI, April 27 (R) — U.S. Secretary of State Alexander Haig is likely to visit India later this summer for talks with Indian leaders, foreign office sources said. No dates for the visit have been fixed, the sources said. They said one purpose of Mr. Haig's trip would be to attend a ministerial meeting of the Indo-American joint commission. Earlier this month, Mr. Haig conferred in Washington with visiting Indian Foreign Secretary Eric Gonsalves on proposed U.S. arms aid to Pakistan and India's nuclear fuel needs.

#### Retaliation for desecration of Jewish tombs

PARIS, April 27 (R) -- Shots were fired early yesterday in central Paris apparently in retaliation for the desecration over the weekend of some 80 Jewish tombs at a cemetery south of the capital. Nobody was injured in the attack but an anonymous caller told news agencies it was to protest against the incident at the Bagneux graveyard where intruders broke in on Friday evening and daubed tombs with swastikas and anti-Israeli slogans. Today is a national day of remembrance for the thousands of French people, many of them Jews, deported to Germany during the Second World War. Paris Mayor Jacques Chirac has ordered a police inquiry into the desecration which follows a number of anti-Semitic attacks in the capital over the last six months. Some of the vandalised headstones bore the letters NFNF (New French Nazi Front). Others were defaced with drawings of three crossed arrows in a circle, the emblem of the outlawed extreme right-wing organisation FANE.

#### Pakistani students lashed for burning bus

KARACHI, April 27 (A.P.) - A military court has sentenced six students to up to one year in prison and 15 lashes for burning passenger buses during a March 25 political demonstration. The court in Nawabshah District town in Sind Province, about 240 kilometres northeast of Karachi, gave three students one year's. imprisonment, 15 lashes and a fine of 60,000 rupees (\$6000) each, while the other three were given sentences of nine months imprisonment, 10 lashes and a fine of 50,000 rupees (\$5000) each. The fines will be paid to the owners of the buses, the court said. The students were found guilty of burning the buses and organising a mass demonstration in response to an appeal made by Mrs. Nusrat Bhutto, widow of the late prime minister Zulfikar Ali Bhutto and acting chairman of the defunct Peoples Party.

kesman said today his condition. was deteriorating. Three other IRA prisoners are on hunger strike with him, and have not eaten'

for up to 44 days. A spokesman for Sinn Fein, the IRA's political wing, said Mr. Sands was extremely weak and close to death.

The committee coordinating support for Mr. Sands, who won a Northern Ireland by-election two weeks ago with more than 30,000 votes, said he could now swallow only pure spring water.

Since he began refusing food on March 1, he has survived on water

Both the IRA and its enemies, organisations representing Northern Ireland's Protestant majority who have sworn never to break their links with Britain, have predicted widespread trouble if he dies.

Police announced they had discovered an IRA arsenal at a house in County Armagh during a search with British troops and had seized two American-made rifles, Itwo. pistols, two grenades, bombmaking equipment and a large amount of ammunition. Two peoole were detained.

British authorities expected Mr. Sands to die and were trying to forestall trouble, IRA sources

### 'India's fears are unfounded' -- Shahi

MADRAS, April 27 (R) — Pak-istani Foreign Minister Agha Shahi has suggested in an interview published here that military experts from India could discuss with Pakistan the level of its armed forces and armaments.

India has strongly opposed proposed arms supplies by the United States to Pakistan, saying weapons supplied earlier have been used against India.

Mr. Shahi was quoted as telling the newspaper Hindu in New York, "I think there is a totally unfounded fear in India about what is called the arming of Pak-

He said the arms Pakistan proposed to acquire would not affect the military balance between the two countries.

He said be hoped Indian Extemal Affairs Minister P.V. Narasimha Rao's visit next month to Pakistan would help remove what he called unfounded apprehensions. Mr. Shahi, who this week held talks with U.S. officials, said Pakistan wanted no direct military aid from Washington. "We are exploring an evenhanded aid and military sales rel-

In Bombay, former prime minister Morarji Desai said the Indian government was creating a war psychosis against Pakistan to divert attention from the problems of inflation and shortages.

The Press Trust of India (PTI) quoted Mr. Desai, an opposition leader, as telling a rally that if India could buy arms from Soviet Union, so could Pakistan from United States.

Meanwhile, an Indian defence expert said India should be ready to make an appropriate response to Pakistan's efforts to acquire a nuclear bomb.

Mr. K. Subrahmanyam, director of the Institute of Defence s and Analysis said in the Times of India: "The time to act is not after Pakistan conducts the tests ... the time to get ready for the appropriate response is now." Prime Minister Indira Gandhi

istan made nuclear weapons her government would respond in an appropriate manner. Mr. Shahi was quoted by Hindu as saying, "I can state categorically that we are not engaged

in the manufacture of nuclear

weapons."

said earlier this month that if Pak-

He said Pakistan was worried that India, assuming Pakistan was making nuclear weapons, was going to carry out tests.

## in strike-free air

Polish talks progress

WARSAW, April 27 (R) - The Polish government and free trade union Solidarity appeared today to have made significant progress in their first major strike-free negotiations.

A joint parliamentary-union commission yesterday completed a preliminary draft of a labour law and a government team signed an agreement in the north east province of Suwalki which went a long way towards satisfying Solidarity demands.

The draft law, which will enshrine the new freedoms won by workers in Poland, contained some points of disagreement and will be submitted to the council of state by Thursday for further

### 3 Afghans defect with helicopter

Baluchistan neighbours Afg-

ISLAMABAD, April 27 (Agencies) — The Afghan crew of a Soviet-built MI-8 helicopter flew their aircraft to Pakistan yesterday and sought asylum, a defence ministry spokesman said in Isl-

The three-man crew, which landed at Quetta airport in Pakistan's Baluchistan Province, was being held in custody, the spo-

kesman şaid. Earlier this month an Afghan soldier drove a Soviet-built T-54 tank across the border into Baluchistan and also asked for asy-

Kabul's Soviet-backed government has asked for the return of the tank, which is still being

hanistan's Kandahar Province where the tribal-led anticommunist insurgents have been waging a guerrilla war against the Afghan army and Soviet troops. According to Western dip-lomats in Kabul and insurgent

sources in Pakistan the Afghan guerrillas control the countryside in the province and most of the city of Kandahar, the provincial

There has been sporadic figbting in the town for the past two months and the badly-weakened Afghan army is confined to garrisons on the outskirts, insurgent sources said.

The insurgents were said to be levying their own taxes, imposing their own system of justice and administering the old part of the town independent of the Kabul authorities.

The Pakistan defence ministry spokesman gave no details of where the helicopter had begun its flight but Kandahar airport, a major airbase for the Afghan and Soviet forces, is only 100 kil-

ometres from the Pakistan border. The helicopter carried the markings of the Afghan army, he said.

### Minister shot in Kampala

KAMPALA, April 27 (R) - Ugandan Government Minister Joseph Otim was wounded in the chest and leg in an assassination attempt outside his ministry in Kampala today, eyewitnesses said.

It was not immediately known how badly he was wounded. The eyewitnesses said the bod-

yguard of Mr. Otim, minister for animal industries and fisheries.

Some witnesses said two men waited at the gate of the ministry and attacked the minister's limousine with pistols and a grenade.

The two recent incidents reflect declining morale in the Afghan armed forces, said western diplomatic sources in Islamabad, the Pakistani capital. The helicopter flight was more embarrassing since it came on the eve of the April 27, 1978, coup anniversary, which ushered in a Marxist rule, they added.

"They are all bugging out," commented a West European diplomat. "One has to watch the Afghan army. It seems on the verge of bolting sides."

Afghan insurgent groups based in northwest Pakistan claimed in recent weeks to have captured hundreds of Afghan troops, many reportedly surrendering without a

Teen-aged Afghans, who said they had been press-ganged into military service, have crossed the Pakistan border after deserting their units in eastern Afghanistan.

Meanwhile, in a report from Herat, a correspondent for the Soviet government newspaper Izvestia said "bandits" had burned down shops, kidnapped and killed a local teacher, and shot dead and mutilated an activist in a women's movement.

### Sihanouk proposes talks with Son Sann

PEKING, April 27 (A.P.) — Prince Norodom Sihanouk has proposed that he and former Kampuchean premier Son Sann meet before May 15 in Singapore to discuss a united front to fight the Vie-

The former Kampuchean head of state sent a telegram yesterday to Mr. Son Sann in Paris, with a copy to the Associated Press in

He said he was willing to meet with Mr. Son Sann at any time until May 15. He also is expected to meet Khmer Rouge representatives for talks in Peking in early May. Mr. Son Sann has refused to join the Khmer Rouge, who are said to have killed an estimated three million Kampucheans during their rule between 1975 and 1979. Prince Sihanouk earlier condemned the Khmer Rouge as "butchers."

On Friday he said he was willing to join a united front that includes his old enemies the Khmer Rouge former premier Son Sann.

Prince Sihanouk said he would not assume leadership and only would be "a simple member" of the front.

He is seeking military aid from China and the United States to equip a large army to fight the Vietnamese, who toppled the Khmer Rouge in early 1979 and set up a Vietnamese-backed government.

China has promised a small amount of aid. Prince Sihanouk met with U.S. embassy officials in Peking Saturday and has said he would personally go to the United States if he stands a good chance of receiving aid.

#### **SPORTS ROUNDUP**

Chinese take all 7 titles in table tenn

NOVI SAD, Yugoslavia, April 27 (R) -- China's table to stars made history here when they completed a cleansweep of seven world championship titles. Guo Yuehua and Tong took the men's and women's singles crowns respectively, Li nshi and Cai Zhenhua won the men's doubles and Zhang De and Cao Yanhua triumphed in the women's doubles. The onishing Chinese had already snapped up three titles before terday's play--Xie Yaike and Huang Junqun winning the m doubles yesterday, the men capturing the Swaythling Cup will 5-2 victory over Hungary and the women trouncing South K.

3-0 in the Corbillon Cup in Monday's team finals.

#### Hearns retains WBA welterweight tit

PHOENIX, Arizona. April 27 (A.P.) - Heavy-hitting Tho Hearns ripped cuts over both eyes of Randy Shields and retar... his World Boxing Association welterweight championship w the ringdoctor stopped the fight at the end of the 12th round. battle at the Veterans Memorial Coliseum was rough and sc etimes dirty with both fighters frequently warned by refe Bobby Ferrara. Hearns, of Detroit, remained undefeated in bouts and brought even closer a clash with WBC welterwer champion Sugar Ray Leonard for the undisputed 147-pound ti

#### Lendl bags \$60,000 in Caesars Pala Classic

LAS VEGAS, April 27 (A.P.) — Top seed Ivan Lendl of C: choslovakia outmuscled Harold Solomon 6-4, 6-2 in the wiyesterday to capture the \$340,000 Alan King Caesars Pala Tennis Classic. Lendl won \$60,000 for the victory. Solomon to made \$30,000. The 21-year-old Czech proved to be the strong of the two and more luck adapting to the wind. He demonstratec delicate touch with the wind to his back and hit into it with mo control and authority.

### It's between Giscar and Mitterrand now

PARIS, April 27 (R) - Mr. Valery Giscard d Estaing and M François Mitterrand, first-round victors in the French presidenti. election, today begin wooing more than 13 million voters wh yesterday backed their unlucky rivals.

Virtually complete interior ministry figures issued this mornin showed Mr. Giscard d'Estaing, the outgoing president, bagged 3per cent of the vote while Mr. Mitterrand, the closest contender netted 25 per cent.

But in their run-off on May 10, each must aim to win over the maximum number of those voters who escaped them in the firs For Mr. Giscard d'Estaing, this means essentially recuperating

the five million votes which yesterday went to his neo-Gaullist rival Jacques Chirac and the more than 850,000 claimed by two other right-wing candidates: ex-prime minister Michel Debre and Marie-France Garaud, the late president Georges Pompidon's 1 political aide.

Mr. Giscard d'Estaing today won a pledge of personal support. from neo-Gaullist Jacques Chirac, his main right-wing opponent in weekend elections. But Mr. Chirac, who took nearly 18 per cent of the vote in the

first round of the presidential contest, carefully avoided instructing his supporters to back the outgoing president in the run-off poll against Mr. Mitterrand. The Socialist leader has already received expressions of support

from left-wing splinter candidates Michel Crepeau, Huguette Bouchardeau and Trotskyist Arlette Laguiller who together won over 1.6 million votes. But he faces the extremely delicate task of persuading Com-

munist leaders, smarting from their party's worst showing in a national election for 45 years, to order their troops out in force to back him in two weeks.

Mr. Mitterrand stood as the candidate of a united left including the Communists in 1974, when he failed to beat Mr. Giscard d'Estaing in a second-round duel by less than two per cent.

## French nuclear programme: a key to the door of Elysee Palace

By Gilbert Sedbon

PARIS —France's ambitious nuclear programme, including a score of new power plants, is at stake in the French presidential election.

President Valery Giscard d'Estaing is using his nuclear energy policy in an effort to beat the energy crisis at home and earn billions of dollars for France's recession-hit economy through sales abroad. He has promised, if elected, to

build new nuclear power stations, a policy he says is designed to safeguard France's independence as an industrial power. But Socialist Leader François Mitterrand, the president's closest

challenger, has pledged, if elected, to review the entire civil nuclear programme, which he describes 'excessive, even dangerous." He has also pledged to halt controversial sales of nuclear equ-

ipment and fuel to Iraq and other countries in war zones. Mr. Mitterrand says he would divert some of the vast investments involved in France's nuclear energy programme to energy-saving projects and to a search for new sources of energy if he defeats Mr. Giscard d'Estaing

in the polling ending on May 10. The Socialist leader lays special emphasis on reviving the coal industry, France's traditional source of energy until it switched to oil 20 years ago.

"The French people should never have allowed the government to run down the coal mines," he says. "France is sitting on huge coal reserves which will provide plenty of jobs and ene-Charbonnages de France, the

French state-run coal authority, is already working on modernising the pits. Some of the coal mines are near the site where work on France's

1,200-megawatt Super-Phoenix fast breeder is nearing com-President Giscard d'Estaing is making the \$3.5 billion reactor at Creys-Malville, in the Rhone Val-

ley, the showpiece of his nuclear

energy policy. Mr. Giscard d'Estaing plans unprecedented investments aimed at reducing French dependence on imported oil to one-third of energy requirements by the end of the decade, compared with two-thirds five years ago.

He has the backing of Communist Leader Georges Marchais who opposes him in every other field. The Giscard d'Estaing Adm-

The 'Bogey' nuclear simulator, developed by Electricite de France, is capable of reproducing normal working incidents and most exceptional breakdowns in nuclear plants; with an aim to training

nuclear energy as well as from a cracks discovered in some metal an expanding environmental Swedish referendum last year favcomponents. ouring nuclear-generated ele-

After crushing anti-nuclear protests in the Creys-Malville area three years ago, and quelling riots planned by 1995. in Plogoff, on the Brittany coast in recent months, the government

projects launched during Mr. Giscard d'Estaing's presidency.

The installed capacity from 50 nuclear power stations across France will be 41,000 megawatts. The building of another 22 stations is

with training and manpower is s ficient to give Iraq several ator: bombs by the mid-1980s, a. ording to military experts. The reactor was bombarded

the first week of the Iran-Iraq w by two aircraft with Iranian me

kings.
The Giscard Administratic defending its nuclear agreeme with Iraqi President Saddam Hu sein's government, has repeated. rejected domestic and in ernational criticism that Fran was endangering peace in ti

Middle East. It says the French Governme will fulfill its contract despi strong pressure at home and ab. oad, particularly from the Unite States. It relies on the Viennbased International Atomic En. rgy Agency (IAEA), for sur-ervision of the reactor, and fu

The French state-run electrici authority, Electricite de Franci (EDF), has plans to build bigg and more powerful fast breeder Shortly after Super-Phoenix hooked to the national grid, ED

hopes to build a pair of 1,500 megawatt fast-breeders ever three years up to the year 2000

supplies.

But Mr. Mitterrand and the Soialist Party, as well as org anisations dealing with the pro tection of the environment ar hoping to block this growth with victory at the polis.

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approved construction of new nuclear power stations. inistration has been comforted by It has also allowed plants to begin operation despite small President Reagan's plans to boost

If Mr. Giscard d'Estaing has his way, more than 25 per cent of France's electricity will be generated by fast breeders by the year

But Mr. Mitterrand, backed by France is supplying Iraq along

movement, says he will call a national referendum on whether or not to pursue the nuclear building programme. Mr. Mitterrand and his party have expressed concern over the

technicians capable of facing up to any kind of a

nuclear accident. This was one of the most ambitious

sale to Iraq in 1975 of a French nuclear research reactor with guaranteed supplies of weapon-grade enriched uranium. The quantity of uranium which